

Public Interest

Part B
Socio-Economic Statement
Northwest Territories

Chapter 7 – Tables





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V-B-7.4 TABLE 1
ESTIMATED LEVEL OF PARTICIPATION IN POLAR GAS' CONSTRUCTION
BY RESIDENTS OF THE COMMUNITIES IN THE VICINITY OF POLAR GAS'
FACILITIES IN THE BASIC COMMUNITY CONTACT SITUATION

Community	Segment of Population	Potential Labour Force ⁽¹⁾	Less: Estimated Number of Residents Who Normally Do Not Participate In The Labour Force Because of Health, Family Responsibilities or Other Reasons ⁽²⁾	Less: Estimated Number of Active Resource Harvesters ⁽³⁾	Less: Number of Residents Projected in V-B-6 to be Working Full-Time Without Polar Gas	Less: Estimated Minimum Number of Residents Required to Fill the Part-Time Positions Projected in V-B-6 to be Available Without Polar Gas ⁽⁴⁾	Sub-Total: Minimum Number of Residents Potentially Available for Employment With Polar Gas	Number of Residents 15-19 Expected to be Enrolled In School Without Polar Gas ⁽⁵⁾	Estimated Number of Residents Likely to Participate In Polar Gas' Construction
Resolute	Inuit Residents (Townsite Area)								
	Males	43	4	9	24	6	0	7	10
	Females	40	24	0	12	4	0	6	4
	Sub-Total	83	28	9	36	10	0	13	14
	White Residents (Townsite, Air Base / South Camp Areas)								
	Males	212	0	0	212	0	0	0	106
	Females	32	2	0	19	6	5	0	8
	Sub-Total	244	2	0	231	6	5	0	114
	Total: All Residents	327	30	9	267	16	5	13	128
Spence Bay	Inuit Residents								
	Males	128	13	0	13	0	27	16	10
	Females	119	71	0	12	2	17	13	0
	Sub-Total	247	84	0	25	2	44	29	10
	White Residents								
	Males	13	0	30	43	15	0	0	2
	Females	14	0	0	18	13	0	0	0
	Sub-Total	27	0	30	61	28	0	0	2
	Total: All Residents	274	84	30	86	30	44	29	12
Baker Lake	Inuit Residents								
	Males	216	22	35	66	34	59	22	20
	Females	203	122	0	28	29	24	19	4
	Sub-Total	419	144	35	94	63	83	41	24
	White Residents								
	Males	29	0	0	28	1	0	0	6
	Females	27	2	0	21	1	3	0	2
	Sub-Total	56	2	0	49	2			
	Total: All Residents	475	146	35	143	65	86	41	32

V-B-7.4 TABLE 1 cont'd.

Community	Segment of Population	Potential Labour Force ⁽¹⁾	Less: Estimated Number of Residents Who Normally Do Not Participate In The Labour Force Because of Health, Family Responsibilities or Other Reasons ⁽²⁾	Less: Estimated Number of Active Resource Harvesters ⁽³⁾	Less: Number of Residents Projected in V-B-6 to be Working Full-Time Without Polar Gas	Less: Estimated Minimum Number of Residents Required to Fill the Part-Time Positions Projected in V-B-6 to be Available Without Polar Gas ⁽⁴⁾	Sub-Total: Minimum Number of Residents Potentially Available for Employment With Polar Gas	Number of Residents 15-19 Expected to be Enrolled In School Without Polar Gas ⁽⁵⁾	Estimated Number of Residents Likely to Participate In Polar Gas' Construction
Chesterfield Inlet	Inuit Residents								
	Males	46	3	20	16	4	3	6	6
	Females	67	43	0	10	8	6	7	2
	Sub-Total	113	46	20	26	12	9	13	8
	White Residents	n/e	n/e	n/e	n/e	n/e	n/e	n/e	n/e
	Total: All Residents	113	46	20	26	12	9	13	8
All Four Communities	Inuit Residents								
	Males	431	42	94	149	39	89	51	46
	Females	429	240	0	68	54	47	45	10
	Sub-Total	862	302	94	217	113	136	96	56
	White Residents								
	Males	254	0	0	253	1	0	0	114
	Females	73	4	0	52	9	8	0	10
	Sub-Total	327	4	0	305	10	8	0	124
	Total: All Residents	1 189	306	94	522	123	144	96	180

Notes: n/e = not estimated

⁽¹⁾ Potential Labour Force is total population ages 15-59 less those members of the population aged 15-19 enrolled in school; see V-B-6.4. Estimate given here is for Construction Year 1.⁽²⁾ Estimate based on the assumption that in most communities ten percent of the Inuit males potentially on the labour force and sixty percent of the Inuit females potentially on the labour force do not participate in it for the reasons noted.⁽³⁾ Taken from V-B-5.2.7 for Spence Bay, Baker Lake and Chesterfield Inlet. Resolute figure is an estimate.⁽⁴⁾ Estimate based on assumption that over the course of the year three to four of the part-time jobs available could be filled, in sequence, by the same individual.⁽⁵⁾ Estimate taken from V-B-6.4.

V-B-7.4. TABLE 2
ECONOMIC EFFECTS COMMON TO COMMUNITIES IN THE VICINITY OF POLAR GAS FACILITIES
DURING CONSTRUCTION IN THE BASIC COMMUNITY CONTACT SITUATION

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
General: Continuation of the dual economy based on resource harvesting and wage employment supplemented by transfer payments and supported by continuing government subsidies	Breakdown of the dual economy during construction	Directly from the large number of construction employment opportunities with Polar Gas	Isolation or separation of facilities, activities and personnel from communities; hiring only at southern hiring halls	Small to medium (at times)	Intermediate	Portions of the construction period	Intermediate	Some	Some
		Directly from Polar Gas' effects on resource harvesting opportunities	Measures to protect fish and game populations and to avoid or reduce effects on resource harvesting areas (see V-A-4)						
		Indirectly from expansion of local businesses, employment	No special assistance to local businesses						
		Indirectly from the expansion of government activities	None						
Population									
—Inuit resident population	Net increase	In-migration of families, individuals from other communities	Isolation or separation of facilities, activities, personnel from communities	Small	Intermediate	Early to mid construction period	Intermediate	Little	Little
		Possibly some out-migration of older Inuit or families strongly oriented to resource harvesting	Work with government; communities to develop temporary alternatives to remaining in communities during portions of the construction period	Small	Intermediate	Portions of the construction period	Intermediate	Some	Some
—Working age Inuit population	Increase	In-migration from other communities of Inuit seeking work	Hiring only at southern hiring halls	Small	Intermediate	Early to mid period	Intermediate	Little	Little
—White resident population	Net Increase	Increase in government staff located in communities	None	Small	Intermediate	Entire construction period	High	Considerable	Some
		Out-migration of families when husband leaves government service to take a position with Polar Gas thereby losing government housing	None	Small to medium	Intermediate	Entire construction period	High	Little	Little
—Transients	Increase	Anticipated availability of employment opportunities with Polar Gas	Hiring only at southern hiring halls; early and continuing advertisement in southern media of policy of hiring only in southern Canada	Small	Intermediate	Entire construction period	High	Little	Little
		Anticipated availability of employment opportunities with local businesses	No special assistance to local businesses						
		Anticipated availability of employment opportunities with government	None						

V-B-7.4 TABLE 2 Cont'd.

Aspect of the Future Economic Situations without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Labour Force									
--Participation in the labour force by adult Inuit men	Increase	Direct, indirect employment opportunities arising from Polar Gas' construction	Hiring only at southern hiring halls; no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Little	Little
--Participation in the labour force by adult Inuit women	Increase	Direct, indirect employment opportunities arising from Polar Gas' construction	Hiring only at southern hiring halls; no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Little	Little
--Participation in the labour force by adult white men	Increase	Direct, indirect employment opportunities arising from Polar Gas' construction	Hiring only at southern hiring halls; no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Little	Little
--Participation in the labour force by adult white women	Increase	Direct, indirect employment opportunities arising from Polar Gas' construction	Hiring only at southern hiring halls; no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Little	Little
--Participation in the labour force by Inuit students who would have been enrolled in high school during the period 1980 - 1986	Increase	Direct, indirect employment opportunities arising from Polar Gas' construction	Hiring only at southern hiring halls; no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Some
Wage Economy									
--Number of jobs obtained by residents away from the community									
-Male adult Inuit	Increase	Employment with Polar Gas	Hiring at southern hiring halls	Small	Intermediate	Entire construction period	Intermediate to high	Some	Some
-Female adult Inuit	Increase	Employment with Polar Gas	Hiring at southern hiring halls	Negligible	Intermediate	Entire construction period	Intermediate to high	Some	Some
-Male Inuit students	Increase	Employment with Polar Gas	Hiring at southern hiring halls	Small	Intermediate	Entire construction period	Intermediate to high	Some	Some
-Female Inuit students	Increase	Employment with Polar Gas	Hiring at southern hiring halls	Negligible to small	Intermediate	Entire construction period	Intermediate to high	Some	Some
-Male adult white residents	Increase	Employment with Polar Gas	Hiring at southern hiring halls	Small to medium	Intermediate	Entire construction period	Intermediate to high	Some	Some
-Female adult white residents	Increase	Employment with Polar Gas	Hiring at southern hiring halls	Negligible	Intermediate	Entire construction period	Intermediate to high	Some	Some
--Number of jobs obtained by residents in the community									
-Male adult Inuit	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas Employment in government offices in the community	No special assistance to local businesses None	Small	Intermediate	Entire construction period	Intermediate to high	Some	Some
-Female adult Inuit	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas Employment in government offices in the community	No special assistance to local businesses None	Small	Intermediate	Entire construction period	Intermediate to high	Little	Some
-Male Inuit students	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas Employment in government offices in the community	No special assistance to local businesses None	Small	Intermediate	Entire construction period	Intermediate to high	Little	Some

V-B-7.4. TABLE 2 Con'd...

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Source		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
-Female Inuit students	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas Employment in government offices in the community	No special assistance to local businesses None	Small	Intermediate	Entire construction period	Intermediate to high	Little	Some
-Male white residents	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas Employment in government offices in the community	No special assistance to local businesses None	Small	Intermediate	Entire construction period	Intermediate to high	Little	Some
-Female white residents	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas Employment in government offices in the community	No special assistance to local businesses None	Small	Intermediate	Entire construction period	Intermediate to high	Little	Some
Resource Harvesting Economy --Participation	Decrease	Could decrease because of Polar Gas' effects on resource harvesting opportunities; timing and duration of employment opportunities with Polar Gas or others as a result of Polar Gas' construction	Environmental measures described in V-A-6; hiring only at southern hiring halls	Small	Low to intermediate	Portions of the construction period	Intermediate	Some	Some
--Harvest of country food for domestic consumption or for local sale	Could decrease or remain the same	Could decrease because of Polar Gas' effects on resource harvesting opportunities, particularly locally; or due to fish and game harvesting regulations implemented by government during construction. Could remain the same because income earned through wage employment will enable part-time harvesters to obtain better equipment and to charter aircraft to get to resource harvesting areas. Could remain the same because families of Inuit employed with Polar Gas may provide a ready local market for the sale of resource harvest products	Environmental measures described in V-A-6; work with government, communities to develop types and methods of mitigation prior to construction; socio-economic monitoring during construction	Small	Low to intermediate	Portions of the construction period	Intermediate	Considerable	Some
--Harvest of fish or furs for export from the community	Decrease	Construction activities could result in loss of some nets and traps and a loss of some fishing or trapping areas; fishing regulations implemented by government during construction	Environmental measures described in V-A-6; work with government, communities to develop types and methods of mitigation prior to construction; socio-economic monitoring during construction	Small decrease	Low to intermediate	Portions of the construction period	Intermediate	Considerable	Some

V-B-7.4. TABLE 2 Cont'd.

	Potential Effect			Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Actions by Others	
Aspect of the Future Economic Situation without Polar Gas	Nature	Source	Applicable Polar Gas Basic Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Local Businesses									
—Business obtaining contracts directly or indirectly as a result of Polar Gas' construction									
—Activity	Increase	Contracts with Polar Gas, with other companies having contracts with Polar Gas or with government as a result of Polar Gas' construction	No special assistance to local businesses	Generally small (Resolute is a special case)	Low to intermediate	Entire construction period	High	Some	Some
—Turnover of personnel									
—Management	Increase	Employment opportunities with Polar Gas Pressures of running an expanded business	Hiring only at southern hiring halls None	Medium	Intermediate	Entire construction period	High	Little	Little
—Staff	Increase	Employment opportunities with Polar Gas or others as a result of Polar Gas' construction	Hiring only at southern hiring halls	Medium	Intermediate	Entire construction period	High	Little	Little
—Operating costs	Net increase	Higher wages required to retain staff plus possible additional costs resulting from delays in transportation, communications less savings resulting from previously unrealized economies of scale	Work with government, communities to avoid interference with transportation, communications services	Medium	Intermediate	Entire construction period	High	Little	Some
—Other businesses									
—Activity	Increase	Goods and services purchased by companies working directly or indirectly for Polar Gas, directly for government as a result of Polar Gas' construction, or by residents employed as a result of Polar Gas' construction	No special assistance to local businesses	Generally small (Resolute is a special case)	Low to intermediate	Entire construction period	High	Little	Little
—Turnover of personnel									
—Management	Increase	Employment opportunities with Polar Gas, other businesses Pressures of running an expanded business	Hiring only at southern hiring halls None	Generally small (Resolute is a special case)	Intermediate	Entire construction period	High	Little	Little
—Staff	Increase	Employment opportunities with Polar Gas, other businesses	Hiring only at southern hiring halls	Generally small (Resolute is a special case)	Intermediate	Entire construction period	High	Little	Little
—Operating costs	Net increase	Higher wages required to retain staff plus possible additional costs resulting from delays in transportation, communications less savings resulting from previously unrealized economies of scale	Work with government, communities to avoid interference with transportation, communications services during construction	Generally small (Resolute is a special case)	Intermediate	Entire construction period	High	Some	Some

V-B-7.4 TABLE 2 Cont'd

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential for Action by the Community	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Community
Income									
—Wage economy									
From wage employment	Increase	Employment arising directly or indirectly from Polar Gas' construction	Hiring only at southern hiring halls, no special assistance to local businesses	Medium	Intermediate	Entire construction period	Intermediate	Some	Little
From sale of handicrafts	Increase	Demand for handicrafts by Polar Gas employees	No special assistance to local businesses	Small to medium	Intermediate	Entire construction period	High	Some	Some
—Resource harvesting economy									
Cash income from sale of harvest products for local use or for export from the community	Could decrease or increase	Could decrease through loss of resource harvesting opportunities because of Polar Gas' construction, or could decrease through less full-time, part-time harvesters because of timing and duration of employment with Polar Gas Could increase because the market for country foods created by Inuit employed by Polar Gas could support more full-time harvesting, and/or could increase because part-time hunters are more successful because of equipment purchased with income earned while working for Polar Gas	Environmental measures described in V-A-6, work with government, communities to develop types and methods of mitigation, monitoring of socio-economic effects during construction None	Small decrease	Low to intermediate	Portions of the construction period	Intermediate	Some	Some
Imputed income from domestic consumption of harvest	Could decrease or increase	Could decrease through loss of resource harvesting opportunities because of Polar Gas' construction, or could decrease through less full-time, part-time harvesters because of the timing and duration of Polar Gas' employment Could increase because the market for country food created by Inuit employed by Polar Gas could support more full-time harvesting, and/or could increase because part-time hunters are more successful because of the equipment purchased or aircraft chartered with income earned while working for Polar Gas	Environmental measures described in V-A-6, work with government, communities to develop types and methods of mitigation for losses prior to construction, monitoring of socio-economic effects during construction None	Small decrease	Low to intermediate	Portions of the construction period	Intermediate	Some	Some
—Transfer payments									
Unemployment insurance payments	Increase	Payments to UIIC fund made during employment in positions resulting directly or indirectly from Polar Gas' construction	Make counselling available to all employees, including financial planning assistance	Medium	Intermediate	Entire construction period and into first post-construction year (Operating Year 2)	High	Some	Little
Social assistance	Increase	Immigrants who do not find work, higher cost of living resulting directly or indirectly from Polar Gas' construction, loss of resource harvesting opportunities, decrease in the number of employment opportunities in final years of construction	Hiring only at southern hiring halls, work with government, communities and businesses to reduce the potential for shortages resulting from interference with re-supply operations	Small	Intermediate	Construction period and possibly beyond	Intermediate	Some	Some
—Cost of Living									
	Increase	Higher wage levels required to obtain or retain staff workers locally during Polar Gas' construction, shortages arising from consumption and substitution effects as residents employed by Polar Gas or as a result of Polar Gas spend their increased disposable incomes, shortages of goods and materials arising from interference with transportation and re-supply operations	Co-operative planning with government and communities, hiring only at southern hiring halls, work with government, communities and businesses to reduce the potential for shortages resulting from interference with re-supply operations	Small	Intermediate	Entire construction period	High	Some	Some

V-B-74 TABLE 2 Cont'd.

Socioeconomic Policy Area	Potential Effect		Applicable Policy Basic Function or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Number		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Community
Savings and Investment									
—Proportion of income saved	No change or small increase	Lack of opportunities to earn sufficient income to save a portion of it; absence of local banking or credit union facilities in most communities; unfamiliarity of many Inuit with the use of savings accounts	None	Small	Intermediate	Entire construction period	High	Little	Little
—Availability of investment capital locally	No change or small increase	Lack of opportunities to earn sufficient income to save and invest a portion of it; absence of local banking or credit union facilities in most communities; unfamiliarity of many Inuit with the use of savings accounts	None	Small	Intermediate	Entire construction period	High	Little	Little
Departmental, Agency and Community Services at the Local Level									
—Generative effects	Increase	Direct, indirect field level administrative management and regulatory tasks arising from Polar Gas' construction; social effects at the community level of employment with Polar Gas	Co-operative planning with Government communities; isolation or separation of Polar Gas' facilities, activities, personnel from communities; hiring only at southern hiring halls; no special assurance to local businesses; work with regulatory authorities to control alcohol and drugs at Polar Gas' facilities	Medium	Intermediate	Entire construction period	High	Considerable	Some
Personnel									
—Managerial/administrative									
—Number	Increase	Direct, indirect field level administrative, management and regulatory tasks arising from Polar Gas' construction; social effects at the community level of employment with Polar Gas	None	Small	Intermediate	Entire construction period	High	Considerable	Some
—Turnover	Increase	Employment opportunities with Polar Gas	Hiring only at southern hiring halls	Small to medium	Intermediate	Entire construction period	High	Some	Little
—Technical/mechanical									
—Number	Increase	Direct, indirect field level administrative, management and regulatory tasks arising from Polar Gas' construction; social effects at the community level of employment with Polar Gas	None	Small	Intermediate	Entire construction period	High	Some	Little
—Turnover	Increase	Employment opportunities with Polar Gas	Hiring only at southern hiring halls	Medium to large	Intermediate	Entire construction period	High	Some	Little
Others including teachers									
—Number	Increase	Direct, indirect field level administrative, management and regulatory tasks arising from Polar Gas' construction; social effects at the community level of employment with Polar Gas	None	Small	Intermediate	Entire construction	High	Some	Little
—Turnover	Increase	Employment opportunities with Polar Gas	Hiring only at southern hiring halls	Medium	Intermediate	Entire construction	High	Little	Little

V-B-7.4 TABLE 2 Cont'd

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential Future Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Services									
Number	Increase	Direct, indirect field level administrative, management and regulatory tasks arising from Polar Gas' construction. Social effects at the community level of employment with Polar Gas	None	Small to medium	Intermediate	Entire construction period	High	Considerable	Some
Quality/effectiveness	Decrease	Turnover of personnel	Hiring only at southern hiring halls	Medium	Intermediate	Entire construction period	High	Some	Some
Costs									
-Operating	Increase	Turnover of personnel, higher wage levels, increased cost of living/operating in community	Hiring only at southern hiring halls	Medium to large	Intermediate	Entire construction period	High	Little	Little
Support	Increase	Direct, indirect field level administrative management and regulatory tasks arising from Polar Gas' construction. Social effects at the community level of employment with Polar Gas	Co-operative planning with government, communities	Medium	Intermediate	Entire construction period	High	Some	Some
Other									
-Cost of energy	Possible decrease (thereby reducing government expenditures since energy costs are subsidized in the Study Region)	Natural gas owned by others being transported via the Polar Gas pipeline system	Install block valves during construction to facilitate gas supply laterals and/or distribution systems. Provide technical assistance to communities, government and others interested in evaluating the technical and economic feasibility of constructing and operating a gas supply, lateral and/or distribution system to serve a community	Not known	—	Last year of construction plus post-construction period	—	Considerable	Some to considerable
Housing									
Shortage of units	Increase	Immigration of residents and transients seeking employment with Polar Gas or others, demand for separate housing by young residents formerly unemployed and living with their family	Hiring only at southern hiring halls; initiate an early and continuing campaign in southern Canada to publicize policy of not hiring in the north; no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Little
Number of occupants per unit	Increase	Immigration of residents and transients seeking employment with Polar Gas or others, increased shortage of housing units	Hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Little
-Dependability of sewage pickup and water delivery services	Decrease	Staff turnover because of employment opportunities with Polar Gas or with local businesses, government because of Polar Gas	Hiring only at southern hiring halls; no special assistance to local businesses	Small to medium	Intermediate	Entire construction period	High	Some	Some
-Availability of nursing services locally	Decrease	Staff turnover because of employment opportunities with Polar Gas	Hiring only at southern hiring halls, no special assistance to local businesses	Small to medium	Intermediate	Entire construction period	High	Some	Little
-Availability of public safety services locally									
-R.C.M.P.	Decrease	Staff turnover because of employment opportunities with Polar Gas	Hiring only at southern hiring halls	Small to medium	Intermediate	Entire construction period	High	Some	Little
-Volunteer firemen	Decrease	Absence of volunteers from community when employed by Polar Gas or by businesses and government at points outside the community	Hiring only at southern hiring halls; no special assistance to local businesses	Small to medium	Intermediate	Entire construction period	High	Little	Some

V-B-7.4 TABLE 2 Cont'd

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
—Availability of communications									
Telephone	Decrease	Polar Gas' use of existing circuits, use of existing circuits by Study Region residents wanting to call home when employed by Polar Gas, use of existing circuits by other Polar Gas employees wanting to call home, increase in use of circuits by government personnel and local businesses	Work with government, communities and communications companies to keep Polar Gas' communications system separate from systems serving communities unless sharing of facilities and circuits would be advantageous to all	Small	Intermediate	Entire construction period	High	Some	Little
Other	Decrease								
—Availability of transportation services (locally or regionally)	Decrease	Polar Gas' requirements for transportation services, government's requirements for additional transportation services because of Polar Gas' construction	Work with government, community businesses to ensure that Polar Gas' requirements do not interfere with existing transportation services and requirements	Small	Intermediate	Entire construction period	High	Some	Little
Scheduled aircraft									
Boats and barges for annual re-supply of communities									

TABLE 4
SOCIAL EFFECTS COMMON TO COMMUNITIES IN THE VICINITY OF POLAR GAS FACILITIES
DURING CONSTRUCTION IN THE BASIC COMMUNITY CONTACT SITUATION

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Applicable Polar Gas Activities or Programs	Anticipated Effect as a Result of Polar Gas Basic Policies and Programs				Potential For Action by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
General Social situation	Not applicable	Changes in social characteristics, community social structure and local decision-making capabilities as a result of Polar Gas construction and the side effects of these changes	Generally co-operative planning with government, communities, isolate or separate Polar Gas facilities, activities and personnel from construction and areas important to communities here only at southern hiring halls, control of interactions between Polar Gas personnel and communities, no special assistance to local businesses, other specific policies as noted below	Small to medium	Intermediate	Portions of the construction period	Intermediate	Considerable	Considerable
Social Characteristics —Ratio of local Inuit to Inuit from elsewhere	Decrease	Location of Polar Gas facilities, activities, personnel relative to communities influx of transients, immigrants seeking positions with Polar Gas, local businesses, government, increased complement of government staff in the community	Isolate or separate Polar Gas facilities, activities, personnel from communities, here only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Some
Ratio of Inuit residents to white residents at the community level	Decrease	Location of Polar Gas facilities, activities, personnel relative to communities influx of transients immigrants seeking positions with Polar Gas, local businesses, government increased complement of government staff in the community	Isolate or separate Polar Gas facilities, activities, personnel from communities, here only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Little
Amount of contact between Inuit residents and white non-residents	Increase	Location of Polar Gas facilities, activities, personnel relative to communities influx of transients seeking positions with Polar Gas, local businesses, government	Isolate or separate Polar Gas facilities, activities, personnel from communities, control of inter-action between Polar Gas personnel and communities, early and continuing publicity via southern media of policy of hiring only in southern Canada, no special assistance to local businesses	Small to medium	Intermediate	Entire construction period	High	Some	Some
—Range of possible ways of life available to individuals —Inuit residents —Older men	Decrease	Loss of resource harvesting opportunities, insufficient language skills or other skills to qualify for many employment opportunities	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of compensation prior to construction	Small	Low to intermediate	Portions of the construction period	Intermediate	Some	Some
—Older women	No change to decrease	Husband's loss of resource harvesting opportunities, migration of adult children, relatives insufficient language skills and work experience to qualify for most employment opportunities	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction hiring only at southern hiring halls no special assistance to local business	Small	Low	Portions of the construction period	Intermediate	Little	Little
—Middle aged men	Decrease	Loss of resource harvesting opportunities, insufficient language skills to qualify for many employment opportunities	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction	Small	Low to intermediate	Portions of the construction period	Intermediate	Some	Some

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Aspect of the Future Social Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a Result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Number	Source		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
-Middle aged women	No change to decrease	Husband's loss of resource harvesting opportunities, migration of adult children, relatives insufficient language skills and previous work experience to qualify for most employment opportunities	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, hiring only at southern hiring halls, no special assistance to local businesses	Small	Low to intermediate	Portions of the construction period	Intermediate	Little	Little
-Young men	Net increase	Loss of resource harvesting opportunities, employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' construction	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Early to mid construction period	High	Some	Some
-Young women	Increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' construction	Hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Early to mid construction period	High	Some	Some
-Older teenaged boys	Increase	Loss of resource harvesting opportunities, employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' construction	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Early to mid construction period	High	Little	Little
-Older teenaged girls	Increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' construction	Hiring only at southern hiring halls; no special assistance to local businesses	Small	Intermediate	Early to mid construction period	High	Little	Little
-White residents	No change to increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' construction	Hiring only at southern hiring halls; no special assistance to local businesses	Small	Intermediate	Early to mid construction period	High	Some	Little
-Women	Increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' construction	Hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Early to mid construction period	High	Little	Little
-Families									
-Inuit	Net increase	Loss of resource harvesting opportunities, employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' construction	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Early to mid construction period	High	Some	Some
-Inuit/white	Increase	Loss of resource harvesting opportunities, employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' construction	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Early to mid construction period	High	Some	Some
-White	Increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' construction	Hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Early to mid construction period	High	Little	Little
-Communities	Net increase	Increase in the number of ways of life available to the young to middle age majority of Inuit and white residents less a decrease in the number of ways of life available to older Inuit residents	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Early to mid construction period	High	Some	Some

V-B-7.4 TABLE 6 Cont'd.

Aspect of the Future Social Situation with/without Polar Gas	Potential Effect		Applicable Polar Gas Policy	Anticipated Effect as a Result of Polar Gas' Base Policies and Programs				Potential For Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Ability to Maintain an Existing Way of Life									
—Individuals									
—Inuit residents									
—Men	Decrease	Loss of resource harvesting opportunities, location of Polar Gas' facilities, activities, personnel, in-migration of whites, Inuit	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, isolation or separation of Polar Gas' facilities, activities, personnel from communities, hire only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Some
—Women	Decrease	Loss of resource harvesting opportunities, location of Polar Gas' facilities, activities, personnel, in-migration of whites, Inuit	Environmental measures presented in V-A-6, isolation or separation of Polar Gas' facilities, activities, personnel from communities, hire only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Some
—White residents									
—Men	Decrease	In-migration of whites, Inuit, changes in job responsibilities, practices, employment of wife with Polar Gas or others as a result of Polar Gas' construction	Isolation or separation of Polar Gas' facilities, activities, personnel from communities, hire only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Some
—Women	Decrease	In-migration of whites, Inuit, changes in job responsibilities, practices, employment of husband with Polar Gas or others as a result of Polar Gas' construction	Isolation or separation of Polar Gas' facilities, activities, personnel from communities, hire only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Some
Families									
—Men	Decrease	Loss of resource harvesting opportunities, location of Polar Gas' facilities, activities, personnel, in-migration of whites, Inuit, employment of husband, wife or other family members with Polar Gas or others as a result of Polar Gas' construction	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, isolation or separation of Polar Gas' facilities, activities, personnel from communities, hire only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Some
—Inuit/white	Decrease	Loss of resource harvesting opportunities, location of Polar Gas' facilities, activities, personnel, in-migration of white, Inuit, employment of husband, wife or other family members with Polar Gas or others as a result of Polar Gas' construction	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, isolation or separation of Polar Gas' facilities, activities, personnel from communities, hire only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Some

Aspect of the Future Social Situation without Polar Gas	Polar Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Source		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
White	Decrease	In-migration of whites, Inuit; changes in job responsibilities, practices, employment of husband, wife or other family members with Polar Gas or others as a result of Polar Gas' construction	Isolation or separation of Polar Gas' facilities, activities, personnel from communities; hire only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Some
—Communities	Decrease	Effects on the ability of a significant number of individuals and families to maintain an existing way of life	Environmental measures presented in V-A-6, isolation or separation of Polar Gas' facilities, activities, personnel from communities, hire only at southern hiring halls; early and continuing publicity via southern media of policy of hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Some
—Ability to participate effectively in and adjust to a new way of life									
Inuit residents									
Older men	Decrease	Rapidity, pervasiveness of changes during Polar Gas' construction, increased exposure to alcohol, illegal drugs, increase in disposable income; decrease in employment opportunities in later years of construction	Hiring only at southern hiring halls, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Small	Intermediate	Entire construction period	High	Some	Some
Middle aged men	Decrease	Rapidity, pervasiveness of changes during Polar Gas' construction, increased exposure to alcohol, illegal drugs, increase in disposable income, decrease in employment opportunities in later years of construction	Hiring only at southern hiring halls, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Small	Intermediate	Entire construction period	High	Some	Some
Young men	Decrease	Rapidity, pervasiveness of changes during Polar Gas' construction, increased exposure to alcohol, illegal drugs, increase in disposable income; decrease in employment opportunities in later years of construction	Hiring only at southern hiring halls, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Small	Intermediate	Entire construction period	High	Some	Some
Women (housewives)	Decrease	Rapidity, pervasiveness of change during Polar Gas' construction, absence of husband from home during employment with Polar Gas or others as a result of Polar Gas' construction, increase in disposable income	Hiring only at southern hiring halls, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Small	Intermediate	Entire construction period	High	Some	Some
Women (Polar Gas workers)	Decrease	Rapidity, pervasiveness of change during Polar Gas' construction, absence of husband from home during employment with Polar Gas or others as a result of Polar Gas' construction, increase in disposable income	Hiring only at southern hiring halls, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Small	Intermediate	Entire construction period	High	Some	Some
—White residents									
Men	No change	Cultural, economic, social background, skills and experience	None	No change	Intermediate/high	Entire construction period	High	Some	Little
Women (housewives)	No change	Cultural, economic, social background, skills and experience	None	No change	Intermediate	Entire construction period	High	Little	Little
Women (obtaining work)	No change	Cultural, economic, social background, skills and experience	None	No change	Intermediate	Entire construction period	High	Little	Little

V-B-7.4 TABLE 6 Cont'd

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Source		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Families									
-Inuit	Decrease	Rapidity, pervasiveness of change during construction, increased exposure to alcohol, illegal drugs, increase in disposable income decrease in employment opportunities in later years of construction	Hiring only at southern hiring halls, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Small	Intermediate	Entire construction period	High	Some	Some
-Inuit/White	No change	Cultural, economic, social backgrounds, skills and experience of both partners	None	No change	Intermediate	Entire construction period	High	Little	Some
-White	No change	Cultural, economic, social background, skills and experience	None	No change	Intermediate	Entire construction period	High	Little	Some
-Community	Decrease	Rapidity, pervasiveness of social economic, cultural change among Inuit residents, increased use of alcohol, illegal drugs, increased disposable incomes	Hiring only at southern hiring halls no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Small	Intermediate	Entire construction period	High	Some	Some
Community Social Structure and Local decision-making Capabilities									
-Ability to maintain the existing class structure among									
-Inuit residents	Decrease	Loss of resource harvesting opportunities, employment opportunities with Polar Gas, local business opportunities with Polar Gas, others as a result of Polar Gas' construction	Environmental measures presented in V-A-6; work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Little	Little
-White residents	Decrease	Employment opportunities with Polar Gas increased complement of government staff in the community, local business opportunities with Polar Gas, others as a result of Polar Gas' construction	Hiring only at southern hiring halls, no special assistance to local businesses	Small to medium	Intermediate	Entire construction period	High	Little	Little
-Entire community	Decrease	Changes in the class structure of the Inuit and white resident populations	Policies noted above for Inuit and White	Small	Intermediate	Entire construction period	High	Little	Little
-Ability to maintain the existing decision - influencing and political power linkages among									
-Inuit residents	Decrease	Availability of employment and local business opportunities with Polar Gas or others as a result of Polar Gas' construction	Hire only at southern hiring halls no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Little	Little
-White residents	Decrease	Availability of employment and local business opportunities with Polar Gas or others as a result of Polar Gas' construction, increased complement of government staff in the community	Hire only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Little	Little
-Entire community	Decrease	Availability of employment and local business opportunities, with Polar Gas' construction or others as a result of Polar Gas' construction	Hire only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Little	Little
-Ability to collectively react to problems or opportunities									
-Support given local council and other key institutions	Increase	Polar Gas' application, subsequent hearings and co-operative planning with Polar Gas, government	Co-operative planning with communities, government	Medium to large	Intermediate to high	Entire construction period	High	Considerable	Considerable
-Workload of local council and other key institutions	Increase	Polar Gas' application, subsequent hearings and co-operative planning with Polar Gas, government, social side effects of attempts by individuals, families to maintain or adjust to a way of life	Co-operative planning with communities, government	Large	Intermediate	Entire construction period	High	Some	Some

V-B-7.4 TABLE 6 Cont'd

Aspect of the Future Social Situation without Polar Gas	Effects		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
—Participation of key individuals	Decrease	Workload and inherent heavy responsibilities may discourage initial or continuing participation in community advisory or decision-making bodies, timing, location and duration of employment opportunities with Polar Gas or others as a result of Polar Gas' construction may make it difficult for key individuals to prepare for, participate in, or implement the decisions of planning and decision making bodies	Hiring only in southern Canada, no special assistance to local businesses	Small to medium	Intermediate	Entire construction period	High	Some	Some
Side Effects of the Changing Social Characteristics, Community Social Structure and Local Decision-making Capability, Particularly as a Result of Attempts by Individuals or Families to Maintain an Existing Way of Life or to Participate in and Adjust to a New Way of Life									
—Indicators of the health and behaviour of individuals									
—Ratio of store brought food to country food in diet	Increase	Loss of resource harvesting opportunities, timing and duration of employment with Polar Gas or others as a result of Polar Gas' construction, consumption and substitution effects as increased disposable income is spent	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction; hiring only at southern hiring halls, no special assistance to local businesses	Small to medium	Intermediate	Entire construction period	High	Little	Little
—Incidence of non-venereal communicable diseases (influenza, hepatitis, etc.)	Increase	Contacts with a larger number of non-residents, including transients; overcrowding of housing because of immigration of other Inuit	Restrictions on the interactions of Polar Gas personnel with communities, hiring only in southern Canada; early and continuing advertisement in southern media of policy of hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Some	Little
Use of alcohol	Increase	Increased exposure to alcohol at Polar Gas' facilities, stresses of adapting to employment with Polar Gas or others as a result of Polar Gas' construction, increased disposable income	Work with government, communities to develop the best means of controlling alcohol at Polar Gas facilities, hiring only at southern hiring halls, counselling services for all employees	Small	Intermediate	Entire construction period	High	Some	Some
Incidence of alcohol related court convictions	Increase	Increased exposure to alcohol at Polar Gas' facilities, stresses of adapting to employment with Polar Gas or others as a result of Polar Gas' construction, increased disposable income	Work with government, communities to develop the best means of controlling alcohol at Polar Gas facilities, hiring only at southern hiring halls, counselling services for all employees	Small	Intermediate	Entire construction period	High	Some	Some
—Use of illegal drugs	Increase	Increased exposure to illegal drugs at Polar Gas facilities, stresses of adapting to employment with Polar Gas or others as a result of Polar Gas' construction, increased disposable income	Work with government, communities to develop the best means of controlling illegal drugs at Polar Gas facilities, hiring only at southern hiring halls, counselling services for all employees	Small	Intermediate	Entire construction period	High	Some	Some
—Incidence of court convictions for possession or use of illegal drugs	Increase	Increased exposure to illegal drugs at Polar Gas' facilities, stresses of adapting to employment with Polar Gas or others as a result of Polar Gas' construction, increased disposable income	Work with government, communities to develop the best means of controlling illegal drugs at Polar Gas facilities, hiring only at southern hiring halls, counselling services for all employees	Small	Intermediate	Entire construction period	High	Some	Some

V-B-7.4 TABLE 6 Cont'd

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
—Incidence of venereal diseases	Increase	Contact with Polar Gas personnel; contact with white, Inuit transients and in-migrant Inuit; increased incidence of use of alcohol, illegal drugs	Controls on interactions between Polar Gas personnel and communities; hiring only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada, alcohol and illegal drug policies as noted above	Small	Intermediate	Entire construction period	High	Some	Some
—Incidence of pregnancy among unmarried women	Increase	Contact with Polar Gas personnel; contact with white, Inuit transients and in-migrant Inuit; increased incidence of use of alcohol, illegal drugs	Controls on interactions between Polar Gas personnel and communities; hiring only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada, alcohol and illegal drug policies as noted above	Small	Intermediate	Entire construction period	High	Little	Some
—Incidence of school dropouts among older teenagers	Increase	Employment opportunities with Polar Gas, local businesses and government as a result of Polar Gas' construction	Hiring only at southern hiring halls, no special assistance to local businesses	Small	Intermediate	Entire construction period	High	Little	Little
—Incidence of suicide	Increase	Difficulties in maintaining an existing way of life or participating in and adjusting to a new way of life	Environmental measures presented in V-A-6; work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction; isolate or separate Polar Gas facilities, activities, personnel from communities, hiring only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada	Small	Intermediate	Entire construction period	High	Little	Little
—Indicator of the behaviour of individuals towards others									
—Incidence of infant mortality	Increase	Timing, duration of employment opportunities with Polar Gas, others as a result of Polar Gas construction, increased use of alcohol, illegal drugs	Hiring only at southern hiring halls, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas facilities	Small	Intermediate	Entire construction period	High	Some	Some
—Incidence of reported situations involving child neglect	Increase	Timing, duration of employment opportunities with Polar Gas, others as a result of Polar Gas' construction, increased use of alcohol, illegal drugs	Hiring only at southern hiring halls, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas facilities	Small	Intermediate	Entire construction period	High	Some	Some
—Incidence of attempted rape or rape	Increase	Increased alcohol consumption, increased use of illegal drugs, contacts between Polar Gas personnel and communities increased numbers of transient Inuit, whites	Work with government, communities to control alcohol and illegal drugs at Polar Gas facilities, restrictions on contact between Polar Gas personnel and communities, hiring only in southern Canada, early and continuing publicity via southern media of policy of hiring only in southern Canada	Small	Intermediate	Entire construction period	High	Some	Some
—Incidence of court convictions for situations involving potential or actual bodily harm	Increase	Increased alcohol consumption, increased use of illegal drugs, contacts between Polar Gas personnel and communities, increased numbers of transient Inuit, whites	Work with government, communities to control alcohol and illegal drugs at Polar Gas facilities, restrictions on contact between Polar Gas personnel and communities, hiring only in southern Canada, early and continuing publicity via southern media of policy of hiring only in southern Canada	Small	Intermediate	Entire construction period	High	Some	Some
—Incidence of court convictions for breaking, entering or theft	Increase	Increased disparities in income material goods within the community, breakdown of social controls arising from other social side effects, increased alcohol consumption, increased numbers of transient Inuit, whites	Hiring only at southern hiring halls, early and continuing publicity via southern media of policy of hiring only in southern Canada, control of alcohol at Polar Gas facilities, restrictions on contact between Polar Gas personnel and communities	Small	Intermediate	Entire construction period	High	Some	Some

V-B-74 TABLE 7
CULTURAL EFFECTS COMMON TO COMMUNITIES IN THE VICINITY OF POLAR GAS FACILITIES
DURING CONSTRUCTION IN THE BASIC COMMUNITY CONTACT SITUATION

Aspect of the Future Cultural Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Source		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
General Ability of Inuit to Significantly Influence the Characteristics and Evolution of their Culture	Decrease	Location of Polar Gas facilities, activities and personnel relative to communities Polar Gas' effects on resource harvesting opportunities Employment opportunities with Polar Gas	Co-operative planning with communities, government, isolation or separation of Polar Gas facilities, activities, and personnel from communities, work with government, communities to develop temporary alternatives to remaining in communities during portions of the construction period, socio-economic monitoring Environmental measures presented in V-A-6, work with government, communities to develop appropriate types and methods of mitigation prior to construction Hiring only at southern hiring halls	Small to medium (varies with communities)	Intermediate	Portions of the construction period to entire construction period	High	Considerable	Considerable
Evidence and Knowledge of Pre-Inuit and Early Inuit Cultures	Decrease	Polar Gas facilities, activities and personnel	Archaeological program as described in V-A-6	Negligible	Intermediate	Entire construction period	High	Some	Little
	Decrease	Polar Gas facilities, activities and personnel	Archaeological program as described in V-A-6	Negligible	Intermediate	Entire construction period	High	Some	Little
	Decrease	Decreased integrity of known unknown archaeological sites as a result of Polar Gas facilities, activities, personnel	Archaeological program as described in V-A-6	Medium to large increase	Intermediate	Entire construction period	High	Some	Little
Atreat of Traditional Cultural Importance	Temporary or permanent loss	Location of Polar Gas facilities and activities	Environmental measures presented in V-A-6	Small to medium (varies with communities)	Intermediate	Portions of the construction period to entire period and beyond construction	High	Some	Some
Opportunities for Cultural Expression Through Resource Harvesting	Decrease	Polar Gas' temporary or permanent use of traditional resource harvesting locations, temporary or permanent changes in the size or distribution of fish or animal populations as a result of Polar Gas' construction activities	Environmental measures presented in V-A-6, work with government, communities to develop appropriate types and methods of mitigation prior to construction	Small to medium	Intermediate	Entire construction period	High	Some	Some
		Duration or timing of employment with Polar Gas could leave residents with little time to engage in resource harvesting	Hiring only at southern hiring halls						
Exposure to the Job Opportunities and Way of Life Associated with Modern Industrial Society	Increase	Location of Polar Gas facilities, activities and personnel	Isolation or separation of Polar Gas facilities, activities and personnel from communities	Medium	Intermediate	Entire construction period	High	Some	Some
		Employment opportunities with Polar Gas	Hiring only at southern hiring halls						
Use of Inuktitut	Decrease	Location of Polar Gas facilities, activities and personnel relative to communities Employment with Polar Gas	Isolation or separation of Polar Gas facilities, activities and personnel from communities Hiring only at southern hiring halls	Small	Intermediate	Entire construction period	High	Little	Some

V-B-7.4 TABLE 16
ECONOMIC EFFECTS COMMON TO COMMUNITIES IN THE VICINITY OF POLAR GAS
FACILITIES DURING OPERATIONS AND MAINTENANCE IN THE
BASIC COMMUNITY CONTACT SITUATION

Aspect of the Future Economic Situation without Polar Gas	Points of Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Action by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
General continuation of the dual economy based on resource harvesting and wage employment supplemented by transfer payments and supported by continuing government subsidies	Description of the dual economy during operations and maintenance	Polar Gas' effects on resource harvesting opportunities Timing and duration of employment with Polar Gas	Measures to protect fish and game populations and to avoid or reduce effects on resource harvesting areas (see V-A-6) All employees to work a rotation schedule alternating between their home community and Polar Gas' Division headquarters facilities	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Population —Inuit resident population	Net increase	In-migration of families or individuals from other communities seeking employment, possibly some out-migration of older Inuit or families strongly oriented to resource harvesting	Isolation or separation of Division headquarters facilities from communities, hiring only in southern Canada, rotation of personnel between their home community and Polar Gas' Division headquarters facilities, environmental protection measures presented in V-A-6, no special assistance to northern businesses	Small to medium	Low to intermediate	Entire operations and maintenance period	Intermediate	Some	Some
—Working age Inuit population	Increase	In-migration from other communities	Isolation or separation of Division headquarters facilities from communities, hiring only in southern Canada, rotation of personnel between their home community and Polar Gas' Division headquarters facilities, environmental protection measures presented in V-A-6, no special assistance to northern businesses	Small to medium	Low to intermediate	Entire operations and maintenance period	Intermediate	Some	Some
White resident population	Increase	Increase in government staff located in communities	None	Small	Intermediate	Entire operations and maintenance period	Intermediate	Considerable	Some
Business	Increase	Anticipated availability of employment opportunities with Polar Gas Anticipated availability of employment opportunities with local business	Hiring only in southern Canada, no special assistance to local businesses Hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Considerable	Some

V-B-7.4 TABLE 16 Cont'd

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Source		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Labour Force									
--Participation in the labour force by adult Inuit men	Increase	Direct, indirect employment opportunities arising from Polar Gas' operations and maintenance	Isolation or separation of Division headquarters facilities from communities, hiring only in southern Canada; rotation of personnel between their home community and Polar Gas' Division headquarters facilities, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
--Participation in the labour force by adult Inuit women	Increase	Direct, indirect employment opportunities arising from Polar Gas' operations and maintenance	Isolation or separation of Division headquarters facilities from communities, hiring only in southern Canada; rotation of personnel between their home community and Polar Gas' Division headquarters facilities, no special assistance to local businesses	Small	Low to intermediate	Entire operations and maintenance period	Intermediate	Some	Some
--Participation in the labour force by adult white men	Increase	Direct, indirect employment opportunities arising from Polar Gas' operations and maintenance	Isolation or separation of Division headquarters facilities from communities, hiring only in southern Canada; rotation of personnel between their home community and Polar Gas' Division headquarters facilities, no special assistance to local businesses	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little
--Participation in the labour force by adult white women	Increase	Direct, indirect employment opportunities arising from Polar Gas' operations and maintenance	Isolation or separation of Division headquarters facilities from communities hiring only in southern Canada; rotation of personnel between their home community and Polar Gas' Division headquarters facilities, no special assistance to local businesses	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little
--Participation in the labour force by Inuit students who would have been enrolled in the future	Increase	Direct, indirect employment opportunities arising from Polar Gas' operations and maintenance	Isolation or separation of Division headquarters facilities from communities hiring only in southern Canada; rotation of personnel between their home community and Polar Gas' Division headquarters facilities, no special assistance to local businesses	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some

V-B-7.4 TABLE 16 Cc

Aspect of the Future Economic Activity	Potential Effect		Applicable Polar Gas Regulations	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Direction	Description		Estimated Magnitude	Level of Confidence	Estimated Duration	Level of Confidence	Some	Little
Wage Economy									
Number of jobs obtained by residents away from the community									
-Male adult Inuit	Increase	Employment with Polar Gas or, as a result of Polar Gas' operations and maintenance, with government or businesses in other communities	Hiring only in southern Canada, rotation of personnel from and to their home community	Small to medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Female adult Inuit	Increase	Employment with Polar Gas or, as a result of Polar Gas' operations and maintenance, with government or businesses in other communities	Hiring only in southern Canada, rotation of personnel from and to their home community	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Male Inuit students	Increase	Employment with Polar Gas or, as a result of Polar Gas' operations and maintenance, with government or businesses in other communities	Hiring only in southern Canada, rotation of personnel from and to their home community	Negligible	Intermediate	Entire Operation and maintenance period	Intermediate	Some	Little
-Female Inuit students	Increase	Employment with Polar Gas, or as a result of Polar Gas' operations and maintenance, with government or businesses in other communities	Hiring only in southern Canada, rotation of personnel from and to their home community	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Male adult white residents	Increase	Employment with Polar Gas, or as a result of Polar Gas' operations and maintenance, with government or businesses in other communities	Hiring only in southern Canada, rotation of personnel from and to their home community	Negligible to small	Intermediate	Entire operation and maintenance period	Intermediate	Some	Little
-Female adult white residents	Increase	Employment with Polar Gas, or as a result of Polar Gas' operations and maintenance, with government or businesses in other communities	Hiring only in southern Canada; rotation of personnel from and to their home community	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
Number of full-time jobs obtained by residents in the community									
-Male adult Inuit	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas	No special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
		Employment in government offices in the community	None						
-Female adult Inuit	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas	No special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
		Employment in government offices in the community	None						
-Male Inuit students	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas	No special assistance to local businesses	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
		Employment in government offices in the community	None						
-Female Inuit students	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas	No special assistance to local businesses	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
		Employment in government offices in the community	None						

V-B-7.4 TABLE 16 Cont'd

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Source		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Male adult white residents	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas Employment in government offices in the community	No special assistance to local businesses None	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
Female adult white residents	Increase	Employment in new positions by businesses obtaining contracts with Polar Gas Employment in government offices in the community	No special assistance to local businesses None	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
Resource harvesting economy — Participation	Decrease	Continuation of effects of Polar Gas' construction on resource harvesting opportunities, effects of Polar Gas' operations and maintenance on resource harvesting opportunities, timing and duration of employment opportunities with Polar Gas	Environmental measures described in V-A-6 for construction and operations and maintenance, hiring only in southern Canada, isolation or separation of Polar Gas' facilities headquarters from communities	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
— Harvest of country food for domestic consumption or for local sale	Could decrease or remain the same or increase	Could decrease because of Polar Gas' effects on resource harvesting opportunities. Could remain the same or increase because income earned through wage employment will enable part-time harvesters to obtain better equipment and to charter aircraft to get to resource harvesting areas and remain because families of full-time employed with Polar Gas may provide a ready local market for the sale of resource harvest products	Environmental measures described in V-A-6, work with government, communities to develop appropriate types and methods of mitigation, socio-economic monitoring during early years of operations and maintenance	Small	Low to intermediate	Entire operations and maintenance period	Intermediate	Some	None
— Harvest of fish or fur for export from the community	Decrease	Operations and maintenance activities could result in assumed loss of some net and traps and in a loss of some fishing or trapping areas	Environmental measures described in V-A-6, work with government, communities to develop appropriate types and methods of mitigation, socio-economic monitoring during early years of operations and maintenance	Negligible	Intermediate	Entire operations	Intermediate	Some	Little

V-B-7.4 TABLE 1A Cont'd...

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Local businesses									
—Business obtaining contracts directly or indirectly as a result of Polar Gas' operations and maintenance									
—Activity	Increase	Contracts with Polar Gas, with other companies having contracts with Polar Gas or with government as a result of Polar Gas' operations and maintenance	No special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	High	Some	Some
—Turnover of Personnel Management	Increase	Employment opportunities with Polar Gas, with companies obtaining contracts from Polar Gas, other companies or government as a result of Polar Gas' operations and maintenance	Hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	High	Little	Little
—Staff	Increase	Employment opportunities with Polar Gas, with companies obtaining contracts from Polar Gas, other companies or government as a result of Polar Gas' operations and maintenance	Hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	High	Little	Little
Operating costs	Net increase	Higher wages required to retain management and staff plus possible additional costs resulting from delays in transportation, communications less savings resulting from economies of scale arising from increased sales volumes	Work with government, communities to avoid interference with transportation, communications services	Small	Intermediate	Entire operations and maintenance period	High	Some	Some
Income									
—Wage Economy From wage employment	Increase	Employment arising directly or indirectly from Polar Gas' operations and maintenance	Hiring only in southern Canada, no special assistance to local businesses	Medium	Intermediate	Entire operations and maintenance period	High	Some	Little
—From the sale of handicrafts	Increase	Sale of handicrafts to Polar Gas' employees and others employed by local businesses and government as a result of Polar Gas' operations and maintenance	Isolation or separation of Polar Gas Division headquarters from communities, no special assistance to local businesses	Small to medium	Low to intermediate	Entire operations and maintenance period	High	Some	Some
—Resource Harvesting Economy									
—Cash income from sale of harvest products for local use or for export from the community	Could decrease or increase	Could decrease through loss of resource harvesting opportunities because of continuation of effects arising from Polar Gas' construction and/or effects of operations and maintenance or could decrease through less full-time, part-time harvesters because of timing and duration of employment with Polar Gas Could increase because the market for country foods created by Inuit employed by Polar Gas could support more full-time harvesting; and/or could increase because part-time hunters are more successful because of equipment purchased with income earned while working for Polar Gas	Environmental measures described in V-A-6, work with government, communities to develop appropriate types and methods of compensation, monitoring of socio-economic effects during initial years of operations and maintenance None	Small	Low to intermediate	Entire operations and maintenance period	Intermediate	Some	Some

V-B-7.4 TABLE 16 Cont'd.

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Imputed income from domestic consumption of harvest products	Could decrease or increase	Could decrease through loss of resource harvesting opportunities because of curtailment of effects arising from Polar Gas' construction and/or effects of operations and maintenance, or could decrease through less full-time, part-time harvesting because of the timing and duration of Polar Gas employment Could increase because the market for country food created by Inuit employed by Polar Gas could support more full-time harvesting, and/or could increase because part-time hunters are more successful because of the equipment purchased or aircraft chartered with income earned while working for Polar Gas	Environmental measures described in V-A-6, work with government, communities to develop types and methods of compensation, monitoring of socio-economic effects during operations and maintenance None	Small	Low to intermediate	Entire operations and maintenance period	Intermediate	Some	Some
- Transfer payments and social assistance - Unemployment insurance payments	Increase	Payments to UIIC fund made while employed during Construction Years 5 or 6 or while employed in seasonal positions resulting directly or indirectly from Polar Gas' operations and maintenance	Make counselling available to all employees, including financial planning assistance	Small to moderate during operating years 1 and 2; negligible to small thereafter	Intermediate	Small to moderate during operating years 1 and 2; negligible to small thereafter	Intermediate	Little	Little
Social assistance	Increase	Residents formerly employed during Polar Gas' construction and now unable to find work - migrants who do not find work	Hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Primarily during first few years of operations and maintenance	Intermediate	Some	Some
- Cost of living	Increase	Higher wage levels required to obtain or retain staff locally during Polar Gas' operations and maintenance; shortages arising from consumption and substitution effects as residents employed by Polar Gas or as a result of Polar Gas spend their increased disposable incomes, shortages of goods and materials arising from interference with transportation and re-supply operations	Isolation or separation of Polar Gas' Division headquarters facilities from communities, hiring only in southern Canada, work with government communities to reduce the potential for shortages resulting from interference with re-supply operation during operation and maintenance	Small	Intermediate	Primarily during first few years of operations and maintenance	Intermediate	Some	Little
Savings and Investment									
- Proportion of income saved	No change or small increase	Lack of opportunities to earn sufficient income to save a portion of it, absence of local banking or credit union facilities in most communities - unfamiliarity of many Inuit with the use of savings accounts	None	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
- Availability of investment capital locally	No change or small increase	Lack of opportunities to earn sufficient income to save and invest a portion of it, absence of local banking or credit union facilities in most communities - unfamiliarity of many Inuit with the use of savings accounts	None	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some

V-B-7.4 TABLE 16 Cont'd

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Estimated Magnitude of Anticipated Effect	Anticipated Effect as a result of Polar Gas Basic Policies and Programs			Potential For Actions by Others	
	Nature	Sources			Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Departmental, Agency and Community Services at the Local Level									
—General Level of Activity	Increase	Direct, indirect field level administrative management and regulatory tasks arising from Polar Gas operations and maintenance. Social effects at the community level of employment with Polar Gas	Co-operative planning with governments, communities, isolation or separation of Polar Gas facilities, activities, personnel from communities, hiring in southern Canada; no special assistance to local businesses work with regulatory authorities to control alcohol and drugs at Polar Gas facilities	Small to medium	Intermediate	Entire operations and maintenance period	Intermediate	Considerable	Little
Police									
—Managerial/Administrative Number	Increase	Direct, indirect field level administrative management and regulatory tasks arising from Polar Gas operations and maintenance. Social effects at the community level of employment with Polar Gas	None	Small	Intermediate	Entire operations and maintenance period	Intermediate	Considerable	Little
—Turnover	Increase	Employment opportunities with Polar Gas	Hiring only in southern Canada	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
Technical/Mechanical									
—Number	Increase	Direct, indirect field level administrative management and regulatory tasks arising from Polar Gas operations and maintenance. Social effects at the community level of employment with Polar Gas	None	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
—Turnover	Increase	Employment opportunities with Polar Gas	Hiring only in southern Canada	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
—Others including Teachers Number	Increase	Direct, indirect field level administrative management and regulatory tasks arising from Polar Gas operations and maintenance. Social effects at the community level of employment with Polar Gas	None	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
—Turnover	Increase	Employment opportunities with Polar Gas	Hiring only in southern Canada	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
Stores									
—Number	Increase	Direct, indirect field level administrative management and regulatory tasks arising from Polar Gas operations and maintenance. Social effects at the community level of employment with Polar Gas	None	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
Turnover of personnel	Decrease	Turnover of personnel	Hiring only in southern Canada	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
Costs									
—Operating	Increase	Turnover of personnel, higher wage levels, increased cost of living, operating in community	Hiring only in southern Canada	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
Employment									
—Total	Increase	Direct, indirect field level administrative management and regulatory tasks arising from Polar Gas operations and maintenance. Social effects at the community level of employment with Polar Gas	Co-operative planning with government, communities	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Little

V-B-7.4 TABLE 16 Cont'd.

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Other									
-Cost of Energy	Possible decrease (thereby reducing government expenditures since energy costs are subsidized in the Study Region)	Natural gas owned by others being transported via the Polar Gas pipeline system	Install block valves during construction to isolate gas supply laterals and/or distribution systems. Providing technical assistance to communities, government and others interested in evaluating the technical and economic feasibility of constructing and operating a gas supply lateral and/or distribution system to serve a community	Not known		Last year of construction plus post-construction period	High	Considerable	Some to Considerable
-Housing Shortage of Units	Increase	In-migration of residents and transients seeking employment with Polar Gas or others, demand for separate housing by young residents formerly unemployed and living with their family	Hiring only in southern Canada, no special assistance to local businesses, co-operative planning with government, communities prior to operations and maintenance	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Number of Occupants per unit	Increase	In-migration of residents and transients seeking employment with Polar Gas or others, increased shortage of housing units	Hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Dependability of Sewage Pickup and Water Delivery Services	Decrease	Staff turnover because of employment opportunities with Polar Gas or with local businesses, government because of Polar Gas	Hiring only in southern Canada, no special assistance to local businesses	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Availability of Nursing Services Locally	Decrease	Staff turnover because of employment opportunities with Polar Gas	Hiring only in southern Canada,	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Availability of Public Safety Services Locally (R/C/NP)	Decrease	Staff turnover because of employment opportunities with Polar Gas	Hiring only in southern Canada	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Volunteer Firemen	Decrease	Absence of volunteers from community when employed by Polar Gas or by businesses and government at points outside the community	Hiring only in southern Canada, rotational employment of personnel	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Availability of Communications Circuits Telephone	Decrease	Polar Gas' use of existing circuits use of existing circuits by Study Region residents wanting to call home when employed by Polar Gas, use of existing circuits by other Polar Gas employees wanting to call home increase in use of circuits by government personnel and local businesses	Work with government, communities and communications companies to keep Polar Gas' communications systems separate from systems serving communities unless sharing of facilities and circuits would be advantageous to all	Negligible decrease to Small Increase	Small	Entire operations and maintenance period	High	Some	Little
-Other									
-Availability of Transportation Services (locally or Regionally) Scheduled Airlift	Decrease	Polar Gas' requirements for transportation services, government's requirements for additional transportation services because of Polar Gas' operations and maintenance	Work with government, communities, businesses to ensure that Polar Gas' requirements do not interfere with existing transportation services and requirements	Negligible decrease to Small	Small	Entire operations and maintenance period	High	Some	Little
-Charter Aircraft Basis and charges for annual re-supply of communities									

SOCIAL EFFECTS COMMON TO COMMUNITIES IN THE VICINITY OF POLAR GAS FACILITIES DURING OPERATIONS AND MAINTENANCE IN THE BASIC COMMUNITY CONTACT SITUATION

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a Result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Older women	No change to decrease	Husband's loss of resource harvesting opportunities, migration of adult children, relatives insufficient language skills to qualify for most permanent employment opportunities with Polar Gas	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of mitigation prior to operations and maintenance, isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities, hire only in southern Canada; no special assistance to local businesses	Small initially; negligible later	Intermediate	Small during early operations and maintenance period, negligible during the rest of the operations and maintenance period	Intermediate	Some	Some
Middle aged men	Decrease	Loss of resource harvesting opportunities as a result of construction, operations and maintenance, insufficient language skills to qualify for most permanent employment opportunities with Polar Gas; competition in resource harvesting from lost earning increased cash income from, or because of, Polar Gas	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of compensation prior to operations and maintenance, isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Middle aged women	No change to decrease	Husband's loss of resource harvesting opportunities, migration of adult children, relatives insufficient language skills to qualify for most permanent employment opportunities with Polar Gas	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of mitigation prior to operations and maintenance, isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities, hire only in southern Canada, no special assistance to local businesses	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Young men	Net increase	Loss of resource harvesting opportunities, employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' operations and maintenance	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of mitigation prior to operations and maintenance, isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities, hire only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Young women	Net increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' operations and maintenance	Hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Older teenaged boys	Net increase	Loss of resource harvesting opportunities, employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' operations and maintenance	Environmental measures presented in V-A-6; work with government, communities to review types and methods of mitigation prior to operations and maintenance, isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities, hire only in southern Canada, no special assistance to local businesses	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Older teenaged girls	Net increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' operations and maintenance	Hiring only in southern Canada; no special assistance to local businesses	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
White residents									
Men	No change to increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' operations and maintenance	Hiring only in southern Canada; no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
Women	No change to increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' operations and maintenance	Hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some

V-B-7.4 TABLE 20 Cont'd

Aspect of the Future Social Structure	Potential Effect		Applicable Polar Gas Facility	Anticipated Effect as a Result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Direction	Description		Estimated Magnitude	Level of Confidence	Estimated Duration	Level of Confidence	Government	Communities
Families									
-Inuit	Not increase	Loss of resource harvesting opportunities as a result of construction, operations and maintenance, employment opportunities with Polar Gas or local businesses, government as result of Polar Gas' operations and maintenance	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of management prior to operations and maintenance; isolate or separate Polar Gas' permanent facilities activities and personnel from communities and areas important to communities; hire only in southern Canada; no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Inuit/white	Increase	Loss of resource harvesting opportunities, employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' operations and maintenance	Environmental measures presented in V-A-6; work with government, communities, to review types and methods of compensation prior to operations and maintenance; isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities; hire only in southern Canada; no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
-White	Increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas' operations and maintenance	Hiring only in southern Canada; no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Communities	Not increase	Increase in the number of ways of life available to the young to middle age majority of Inuit and white residents less decrease in the range of ways-of life available to a some older Inuit residents	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of compensation prior to operations and maintenance; isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities; hire only in southern Canada; no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
-Ability to maintain an existing way of life									
-Inuit residents									
Men	Decrease	Loss of resource harvesting opportunities; location of Polar Gas' permanent facilities, activities, personnel; in-migration of whites, Inuit, competition in resource harvesting from Inuit; existing increased cash income from, or because of, Polar Gas' construction	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of compensation prior to operations and maintenance; isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities; hire only in southern Canada; no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Women	Decrease	Husband's loss of resource harvesting opportunities; location of Polar Gas' permanent facilities, activities, personnel; in-migration of whites, Inuit	Environmental measures presented in V-A-6; isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities; hire only in southern Canada; no special assistance to local businesses	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little

V-B-7.4 TABLE 20 Cont'd.

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a Result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
-White residents									
-Men	No change to decrease	In-migration of whites, Inuit; changes in job responsibilities, practices, employment of wives with Polar Gas or others as a result of Polar Gas' operations and maintenance	Isolate or separate Polar Gas' permanent facilities, activities, personnel from communities, hire only in southern Canada, no special assistance to local businesses	Negligible (with possible exception of Resolute where effect would be small.)	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Men	No change to decrease	In-migration of whites, Inuit; changes in job responsibilities, practices, employment of husband with Polar Gas or others as a result of Polar Gas' operations and maintenance	Isolate or separate Polar Gas' permanent facilities, activities, personnel from communities; hire only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Families									
-Inuit	Decrease	Loss of resource harvesting opportunities, location of Polar Gas' permanent facilities, activities, personnel; in-migration of whites, Inuit, employment of husband, wife or other family members with Polar Gas or others as a result of Polar Gas' operations and maintenance	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of compensation prior to operations and maintenance, isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities, hire only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Inuit/white	Decrease	Loss of resource harvesting opportunities, location of Polar Gas' permanent facilities, activities, personnel, in-migration of whites, Inuit; employment of husband, wife or other members of a family with Polar Gas or others as a result of Polar Gas' operations and maintenance	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of compensation prior to operations and maintenance, isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities, hire only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-White	Decrease	In-migration of whites, Inuit; changes in job responsibilities, practices, employment of husband, wife or other family members with Polar Gas or others as a result of Polar Gas' operations and maintenance	Isolate or separate Polar Gas' permanent facilities, activities, personnel from communities, hire only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Communities	Decrease	Effects on the ability of a significant number of individuals, families to maintain an existing way of life	Environmental measures presented in V-A-6, work with government, communities to review types and methods of compensation prior to operations and maintenance, isolate or separate Polar Gas' permanent facilities, activities, and personnel from communities and areas important to communities, hire only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
-Ability to participate effectively in and adjust to a new way of life									
-Individuals									
-Inuit residents									
-Older men	Decrease	Rapidity, pervasiveness of economic, social and cultural changes during Polar Gas' construction and early operations and maintenance, increased exposure to alcohol, illegal drugs at Polar Gas' facilities, increase in disposable income	Construction period policies listed in V-B-7.4 - Table 6, hire only in southern Canada; no special assistance to local businesses; work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Negligible in small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some

V-B-7.4 TABLE 20 Cont'd.

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a Result of Polar Gas Basic Policies and Programs				Potential For Actions by Others	
	Nature	Source		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
-Middle aged men	Decrease	Rapidity, pervasiveness of economic, social, cultural changes during Polar Gas' construction and early operations and maintenance, increased exposure to alcohol, illegal drugs at Polar Gas' facilities, increase in disposable income	Hiring only in southern Canada, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
-Young men	Decrease	Rapidity, pervasiveness of economic, social, cultural changes during Polar Gas' construction and early operations and maintenance, increased exposure to alcohol, illegal drugs at Polar Gas' facilities, increase in disposable income	Hiring only in southern Canada, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Women (housewives)	Decrease	Rapidity, pervasiveness of economic, social, cultural changes during Polar Gas' construction and early operations and maintenance, absence of husband because of employment opportunities with Polar Gas, increase in family's disposable income	Hiring only in southern Canada, no special assistance to local businesses	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Women (obtaining work)	Decrease	Rapidity, pervasiveness of economic, social, cultural changes during Polar Gas' construction and early operations and maintenance, increased exposure to alcohol, illegal drugs at Polar Gas' facilities, increase in disposable income, decrease in employment opportunities in later years of construction	Hiring only in southern Canada, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
White residents									
-Men	No change	Cultural, economic, social background skills and experience	None	Negligible	Intermediate	Entire operations and maintenance	Intermediate	Some	Little
Women (housewives)	No change	Cultural, economic, social background skills and experience	None	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
Women (obtaining work)	No change	Cultural, economic, social background skills and experience	None	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Indigenous									
-Indigenous	Decrease	Rapidity, pervasiveness of economic, social, cultural changes during Polar Gas' construction and early operations and maintenance, increased exposure to alcohol, illegal drugs at Polar Gas' facilities, increase in disposable income	Hiring only in southern Canada, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Small	Intermediate	Entire operations and maintenance period	Intermediate	Little	Some
-Bicultural	No change to decrease	Flexibility, advantages provided by bi-cultural background of husband and wife, range of skills and experience to draw upon	None	Small increase	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little
-White	No change	Flexibility, advantages provided by bi-cultural background of husband and wife, range of skills and experience to draw upon	None	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little
-Community	Decrease	Rapidity, pervasiveness of economic, social, cultural changes during construction, increased exposure of individuals to alcohol, illegal drugs, increased disposable incomes, decrease in employment opportunities towards the end of construction	Hiring only in southern Canada, no special assistance to local businesses, work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a Result of Polar Gas' Basic Policies and Programs				Potential For Action by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Community Social Structure and Local Decision-making Capabilities									
Ability to maintain the existing social class structure among									
--Inuit residents	Decrease	Loss of resource harvesting opportunities during construction, operations and maintenance, shift in numbers, types, duration of employment opportunities with Polar Gas at the end of construction. Beginning of operations and maintenance, local business opportunities with Polar Gas, others as a result of Polar Gas' operations and maintenance	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of mitigation prior to operations and maintenance, isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities, hire only in southern Canada; no special assistance in local businesses	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little
--White residents	Increase	Employment opportunities with Polar Gas, increased complement of government staff in the community, local business opportunities with Polar Gas, others as a result of Polar Gas' operations and maintenance	Hiring only in southern Canada, no special assistance to local businesses	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little
--Entire community	Decrease	Changes in the employment situation in the Inuit and white resident populations	Policies noted above for Inuit and white residents	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Ability to maintain the existing decision-making and political power linkages among									
--Inuit residents	Decrease	Availability of employment and local business opportunities with Polar Gas or others as a result of Polar Gas' operations and maintenance	Hire only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Little	Some
--White residents	Decrease	Availability of employment and local business opportunities with Polar Gas or others as a result of Polar Gas' operations and maintenance	Hire only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little
--Entire community	Decrease	Availability of employment and local business opportunities with Polar Gas or others as a result of Polar Gas' operations and maintenance	Hire only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Little	Some
--Ability to collectively react to problems or opportunities									
Support given local council or other key institutions	Increase	The need for co-operative planning prior to and during the initial years of operations and maintenance	Co-operative planning with communities, government	Small	Intermediate	Entire operations and maintenance period	Intermediate	Considerable	Considerable
Workload of local council or other key institutions	Increase	The demands inherent in co-operative planning prior to and during the initial years of operations and maintenance, social side effects of attempts by individuals, families to maintain or adjust to a way of life	Co-operative planning with communities, government	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some
--Availability of key individuals	Decrease	Workload and inherent heavy responsibilities may discourage participation in community advisory or decision-making bodies, timing, location and duration of permanent employment opportunities with Polar Gas or others as a result of Polar Gas' operations and maintenance may make it difficult for key individuals to prepare for, participate in, or implement the decisions of planning and decision making bodies	Hiring only in southern Canada, no special assistance to local businesses	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some

V-B-7.4 TABLE 20 Continued.

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a Result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
<p>Side effects of changes in social characteristics and social structure and local decision-making capabilities, particularly effects arising from attempts by individuals or families to maintain an existing way of life or to participate in and adjust to a new way of life.</p> <p>Indicators of the health and behaviour of individuals</p> <p>—Ratio of store bought to country food in diet</p>	Increase	Loss of resource harvesting opportunities, timing and duration of employment with Polar Gas or others as a result of Polar Gas' operations and maintenance, consumption and substitution effects as increased disposable income is spent	Environmental measures presented in V-A-6; work with government, communities, to renew types and methods of migration prior to operations and maintenance, hire only in southern Canada, no special assistance to local businesses	Small	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little
—Incidence of non-venereal communicable diseases (influenza, hepatitis, etc.)	Increase	Contacts with a large number of non-residents, including transients, over-crowded housing because of migration of trust seeking employment with Polar Gas or government and local businesses	Restrictions on the intentions of Polar Gas' personnel with communities, hiring only in southern Canada, no special assistance to local businesses	Negligible to small	Intermediate	Early operations and maintenance period	Intermediate	Some	Little
—Use of alcohol	Increase	Increased exposure to alcohol at Polar Gas' permanent facilities, stresses of adapting to permanent employment with Polar Gas or others as a result of Polar Gas' operations and maintenance increased disposable income	Work with government, communities to develop the best means of controlling alcohol at Polar Gas' facilities: hiring only in southern Canada, counselling services for all employees	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Considerable
—Incidence of alcohol related court convictions	Increase	Increased exposure to alcohol at Polar Gas' facilities stresses of adapting to employment with Polar Gas or others as a result of Polar Gas' operations and maintenance, increased disposable income	Work with government, communities to develop the best means of controlling alcohol at Polar Gas' facilities: hiring only in southern Canada, counselling services for all employees	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Considerable
—Use of illegal drugs	Increase	Increased exposure to illegal drugs at Polar Gas' facilities, stresses of adapting to employment with Polar Gas or others as a result of Polar Gas' operations and maintenance increased disposable income	Work with government, communities to develop the best means of controlling illegal drugs at Polar Gas' facilities, hiring only at southern hiring halls, counselling services for all employees	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some
—Incidence of court convictions for possession or use of illegal drugs	Increase	Increased exposure to illegal drugs at Polar Gas' facilities, stresses of adapting to employment with Polar Gas or others as a result of Polar Gas' operations and maintenance, increased disposable income	Work with government, communities to develop the best means of controlling illegal drugs at Polar Gas' facilities, hiring only in southern Canada: counselling services for all employees	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some

V-B-7.4 TABLE 20 Cont'd.

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Applicable Polar Gas Basic Policy or Program	Anticipated Effect as a Result of Polar Gas' Basic Policies and Programs				Potential For Actions by Others	
	Nature	Source		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
-Incidence of venereal diseases	Increase	Contacts with Polar Gas personnel contacts with white, Inuit transients and in-migrant Inuit, increased use of alcohol, illegal drugs	Controls on interactions between Polar Gas' personnel and communities, hiring only in southern Canada, alcohol and illegal drug policies as noted above	Small	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
-Incidence of pregnancy among unmarried women	Increase	Contacts with Polar Gas personnel contacts with white, Inuit transients and in-migrant Inuit, increased use of alcohol, illegal drugs	Controls on interactions between Polar Gas' personnel and communities, hiring only in southern Canada, alcohol and illegal drug policies as noted above	Small	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
-Incidence of suicide	Increase	Difficulties in maintaining an existing way of life or participating in and adjusting to a new way of life	Environmental measures presented in V-A-6, work with government, communities, to review types and methods of compensation prior to operations and maintenance, isolate or separate Polar Gas' permanent facilities, activities and personnel from communities and areas important to communities, hire only in southern Canada, no special assistance to local businesses	Negligible	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
Aspects of the behaviour of individuals towards others									
-Incidence of infant morbidity	Increase	Timing, duration of employment opportunities with Polar Gas, others as a result of Polar Gas' operations and maintenance, increased use of alcohol, illegal drugs	Hiring only in southern Canada, no special assistance to local businesses; work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
-Incidence of reported situations involving child neglect	Increase	Timing, duration of employment opportunities with Polar Gas, others as a result of Polar Gas' operations and maintenance, increased use of alcohol, illegal drugs	Hiring only in southern Canada, no special assistance to local businesses; work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
-Incidences of attempted rape or rape	Increase	Increased use of alcohol and illegal drugs, contacts between Polar Gas personnel and communities, increased numbers of transient Inuit, whites	Work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities, restrictions on contacts between Polar Gas' personnel and communities, hiring only in southern Canada	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Little
-Incidence of court convictions for situations involving potential or actual bodily harm	Increase	Increased use of alcohol and illegal drugs, contacts between Polar Gas personnel and communities, increased numbers of transient Inuit, whites	Work with government, communities to control alcohol and illegal drugs at Polar Gas' facilities, restrictions on contacts between Polar Gas' personnel and communities, hiring only in southern Canada	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Considerable
-Incidence of court convictions for breaking and entering or theft	Increase	Increased disparities in income, material possessions within the community, breakdown of social controls arising from other economic, social and cultural effects, increased use of alcohol, increased numbers of transient Inuit, whites	Hiring only in southern Canada, control of alcohol at Polar Gas' facilities, restrictions on contacts between Polar Gas personnel and communities	Negligible to small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some

V-8-7.4 TABLE 21
CULTURAL EFFECTS COMMON TO COMMUNITIES IN THE VICINITY OF POLAR GAS² FACILITIES
DURING OPERATIONS AND MAINTENANCE IN THE BASIC COMMUNITY CONTACT SITUATION

Aspect of the Future Cultural Situation without Polar Gas	Potential Effect		Anticipated Effect as a Result of Polar Gas ² Basic Policies and Programs				Potential For Actions by Others		
	Nature	Sources	Applicable Polar Gas Basic Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
General ability of Inuit to significantly influence the characteristics and evolution of their culture	Decrease	Location of Polar Gas facilities, activities, personnel relative to communities	Co-operative planning with government, communities, isolation or separation of facilities, activities and personnel from communities	Small relative to existing situation in each community	Intermediate	Operations and maintenance period	Intermediate	Considerable	Considerable
		Polar Gas ² effects on resource harvesting opportunities	Environmental measures presented in V-A-6, work with government, communities to develop appropriate types and methods of mitigation prior to construction, reviewing and modifying them, where necessary, prior to operations and maintenance	Small	Intermediate	Operations and maintenance period	Intermediate	Some	Some
		Employment opportunities with Polar Gas	Hiring only in southern Canada						
Areas of traditional importance	Seasonal or permanent loss	Location of Polar Gas ² permanent facilities	Environmental measures presented in V-A-6	Small	Intermediate	Operations and maintenance period	Intermediate	Some	Some
Opportunities for cultural expression through resource harvesting	Decrease	Location of Polar Gas ² facilities and activities	Environmental measures presented in V-A-6, work with government, communities to develop appropriate types and methods of mitigation prior to construction, reviewing and modifying them, where necessary, prior to operations and maintenance						
		Timing of Polar Gas ² operations and maintenance activities	Environmental measures presented in V-A-6, work with government, communities to develop appropriate types and methods of mitigation prior to construction, reviewing and modifying them, where necessary, prior to operations and maintenance						
		Employment schedule implemented by Polar Gas	All employees to be employed on a rotation basis						
Exposure to the job opportunities and way of life associated with modern industrial society	Decrease relative to exposure during construction but to a level higher than the "without Polar Gas" situation	Presence of Division headquarters facilities in the general vicinity of the communities of Resolute, Spence Bay and Baker Lake	Isolation or separation of Division headquarters facilities from communities	Medium relative to existing situation in each community	Intermediate	Operations and maintenance period	Intermediate	Little	Little
		Employment of local residents by Polar Gas	Hiring only in southern Canada						
Use of Inuit talent	Decrease	Location of Polar Gas ² Division headquarters facilities relative to Resolute, Spence Bay and Baker Lake	Isolation or separation of Division headquarters facilities from Resolute Spence Bay and Baker Lake	Small relative to existing situation in each community	Intermediate	Operations and maintenance period	Intermediate	Little	Little
		Employment with Polar Gas	Hiring only in southern Canada						

V-B-7.6 TABLE 1
ESTIMATED NUMBER OF STUDY REGION RESIDENTS AVAILABLE FOR WORK WITH
POLAR GAS OR OTHERS IN CONSTRUCTION YEAR 1

Number of Residents Readily Available for Work Without Polar Gas									
Segments of the Study Region Population	Potential Labour Force ⁽¹⁾ in Construction Year ⁽¹⁾	Less Adjustments to Reflect Non- Participants in Labour Force Because of Ill Health, Family Responsibilities and Other Reasons ⁽²⁾	Number of Residents Potential Ready Available for Work	Estimated Number of Residents Readily Available for Full-time work					
				Less: Number of Active Resource Harvesters ⁽³⁾	Less: Number of Residents with Full-time Wage Employment ⁽³⁾	Less: Estimated Minimum Number of Residents Required to fill Part-time Wage Employment Positions ⁽⁴⁾	In Their Community or Elsewhere in the Study Region ⁽⁵⁾	Only In Their Community	Sub-Total
Inuit Residents									
Men	1,114	196	918	598	593	347	220	0	220
Women	1,845	1,106	739	0	253	150	110	224	334
Sub-Total	2,959	1,302	1,657	598	846	497	330	224	554
White Residents									
Men	4,156	11	4,145	0	425	0	0	0	0
Women	2,111	133	1,978	0	72	0	0	0	0
Sub-Total	6,267	144	6,123	0	497	0	0	0	0
All Residents									
Men	5,270	207	5,063	598	1,018	347	220	0	220
Women	3,956	1,239	2,717	0	325	150	110	224	334
Sub-Total	9,226	1,446	7,780	598	1,343	497	330	224	554

Number of Additional Residents Likely to Enter the Active Labour Force During Construction

Segments of the Study Region Population	If Employment is Available in Their Community or Elsewhere in the Study Region					Total Number of Residents Potentially Available to Participate in Polar Gas Construction and Related Employment in Construction Year 1 (Actual and Rounded to Nearest 50)		Total
	Active Resource Harvesters	Residents 15-19 Years of Age Who Would Have Been Enrolled in School	Other Residents Entering Active Labour Force and Willing to Leave Their Communities	Sub-Total	Only If Employment Is Available in Their Communities	For Work in Their Community or Elsewhere in the Study Region	Only for Work in Their Communities	
Inuit Residents								
—Men	300	156	0	456	0	676	0	676
—Women	0	148	63	211	250	321	474	795
Sub-Total	300	304	63	667	250	997 (1 000)	474 (450)	1 471 (1 450)
White Residents								
—Men	0	17	22	339	0	39	0	39
—Women	0	16	7	23	27	23	27	50
Sub-Total	0	33	29	62	27	62 (50)	27 (50)	89 (100)
All Residents								
—Men	300	173	22	495	0	715	0	715
—Women	0	164	70	234	277	344	501	845
Sub-Total	300	337	92	729	277	1 059 (1 050)	501 (500)	1 560 (1 550)

Notes

Potential Labour Force: total resident population aged 15-59 less those resident 15-19 enrolled in school, see V-B-6.3 TABLE 6

Construction Year 1 is assumed to be 1981. No estimates have been made for Construction Year Minus 1

¹ Adjustment reflects the fact that not all members of the potential labour force actively participate in the labour market because of illness, disability, family responsibilities, lack of appropriate experience and/or training and shortage of appropriate employment opportunities. It has been assumed that 10 percent of the Inuit men and 60 percent (50 percent at Resolute) of Inuit women would not participate in the active labour force in the absence of a major project such as Polar Gas' construction. The comparable rates assumed for male and female white residents were 5 percent and 65 percent respectively.

² Figures taken from projections presented in V-B-6.3 TABLE 14. Active resource harvesters, as defined in V-B-5.2.7, do not work full-time or seek full-time employment.

³ Figures derived from projections presented in V-B-6.3 TABLE 7. It has been assumed that one-third of the number of Inuit residents and all of the white residents projected to be employed in Construction Year 1 will have full-time jobs. It is assumed that 70 percent of these jobs will be occupied by men, a figure in keeping with the ratio of male to female residents readily available for work.

⁴ Estimate reflects the fact that a Inuit resident is often employed in several part-time jobs over the course of the year. The estimates presented here are based on the assumption that if necessary an Inuit resident could fill three to four part-time positions each year; 70 percent of the positions are assumed to be occupied by men. No estimate has been made for white residents. Although it is recognized some white women have part-time positions, the numbers involved are believed to be quite small.

⁵ Estimates reflect the fact that under normal conditions at least two-thirds of the women potentially available for work will not seek it outside their community.

⁶ Estimates reflect the assumption that no more than 50 percent of the total active resource harvesters in the Study Region will choose to participate in construction employment, with harvesters in communities distant from the route being much less likely to participate than harvesters in communities close to the route.

⁷ Estimates based on the assumption that one-half the of the residents in the age group 15-19 who would have been enrolled in school will seek work during construction i.e., most residents of 18 and 19 years of age and some residents 15-17 years of age who would have been enrolled in school will not continue with their schooling if they believe they can find a job.

⁸ Estimates based on the assumption that with the employment and training opportunities associated with Polar Gas' construction, the female participation rate in the Study Region will temporarily increase. The magnitude of the increase is difficult to estimate. However, the current national participation rate (57 percent) for women 15-24, the age group likely to be most active, has been assumed to be representative of the higher rates that will prevail. It also has been assumed that under appropriate conditions up to one third of the additional women entering the labour force will be interested in employment outside the community.

Y-B-6-7 TABLE 9
LEVELS OF PARTICIPATION IN TRAINING AND LABOR POOL EMPLOYMENT
ACTIVITIES DURING CONSTRUCTION BY RESIDENTS OF COMMUNITIES IN THE
VICINITY OF POLAR GAS FACILITIES ILLUSTRATIVE OF THE TYPES B AND C
MODIFIED COMMUNITY CONTACT SITUATIONS

Community	Number of Residents	Labor Force Available for Employment	Plus Additions to the Labour Force of the Area 15-19 Who Would Be Available for Employment	Less Number of Residents Requested To Fill Full-Time Positions That Would Be Available for Employment	Sub-Total Number of Residents Who Would Be Available for Employment	Sub-Total Minimum Available for Employment	Estimated Number of Residents Available for Employment	Level of Participation Illustrative of the Type B Community			Level of Participation Illustrative of the Type C Community			
								1	2	3	1	2	3	
Resolute	Inuit Residents (Townside Area)													
	Males	45	5	0	30	19	18	27	n/c	n/c	37	n/c	n/c	27
	Females	40	4	0	16	23	9	14	n/c	n/c	14	n/c	n/c	14
	Sub-Total	83	9	0	46	46	27	41	42	29	41	23	16	41
	White Residents (Townside Air Base South Camp Area)													
	Males	-	0	0	232	0	0	106	n/c	n/c	106	n/c	n/c	106
	Females	-	0	0	23	7	3	8	n/c	n/c	8	n/c	n/c	8
	Sub-Total	244	0	0	237	7	3	114	n/c	n/c	114	n/c	n/c	114
	Total - All Residents	327	9	0	283	53	30	155	n/c	n/c	155	n/c	n/c	155
Spence Bay	Inuit Residents													
	Males	128	11	3	93	36	78	86	n/c	n/c	86	n/c	n/c	86
	Females	119	9	0	31	87	65	35	n/c	n/c	35	n/c	n/c	35
	Sub-Total	247	20	3	89	123	110	121	24	97	121	49	73	121
	White Residents													
	Males	13	0	0	13	0	0	4	n/c	n/c	4	n/c	n/c	4
	Females	14	0	0	14	0	0	2	n/c	n/c	2	n/c	n/c	2
	Sub-Total	27	0	0	27	0	0	6	n/c	n/c	6	n/c	n/c	6
	Total - All Residents	274	20	3	116	123	110	127	n/c	n/c	127	n/c	n/c	127
Baker Lake	Inuit Residents													
	Males	216	15	3	100	128	128	141	n/c	n/c	141	n/c	n/c	141
	Females	203	13	0	27	156	106	58	n/c	n/c	58	n/c	n/c	58
	Sub-Total	419	28	3	157	267	106	199	40	159	199	89	113	199
	White Residents													
	Males	29	0	0	29	0	0	10	n/c	n/c	10	n/c	n/c	10
	Females	27	0	0	22	5	3	8	n/c	n/c	8	n/c	n/c	8
	Sub-Total	56	0	0	51	5	3	14	n/c	n/c	14	n/c	n/c	14
	Total - All Residents	475	28	3	208	292	109	213	n/c	n/c	213	n/c	n/c	213

V.B.2 a) TABLE 8 (Cont'd)

Notes^a Estimates from A-B-7.4 TABLE.

²⁰ It is assumed that in each of the four

$$\begin{aligned} \frac{1}{2} \log \frac{1}{2} &= -\frac{1}{2} \log 2 = -\frac{1}{2} \log 2^1 = -\frac{1}{2} \log 2^{\frac{1}{2} \cdot 2} = -\frac{1}{2} \cdot \frac{1}{2} \log 2^2 = -\frac{1}{4} \log 4 \\ &= -\frac{1}{4} \log 2^2 = -\frac{1}{4} \cdot 2 \log 2 = -\frac{1}{2} \log 2 \end{aligned}$$

* *Journal of the American Statistical Association*, 1991, 86, 103-111.

$$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x} \quad \text{and} \quad \frac{d}{dt} \left(\frac{\partial L}{\partial \dot{y}} \right) = \frac{\partial L}{\partial y}$$
$$\left\{ \begin{array}{l} x_0 = x(0) \\ x_1 = x(1) \\ \vdots \\ x_{n-1} = x(n-1) \end{array} \right\}$$

Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs				Potential for Actions by Others		Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs				Potential for Actions by Others		
	Nature	Sources	Level of Confidence Assigned to Estimate		Estimated Duration of Anticipated Effect		Government	Community	Level of Confidence Assigned to Estimate		Estimated Duration of Anticipated Effect		Government	Community	
			Medium	Intermediate	Entire construction period	High			Medium to large	Intermediate	Entire construction period	High			
General	Continuation of the dual economy based on resource harvesting and wage employment supplemented by transfer payments and supported by remittance	Breakdown of the dual economy during construction and expansion of Polar Gas	Directly from the large numbers of construction employees appearing within Polar Gas	Isolation or separation of facilities, activities and personnel from construction workers with government delivery system and starts to develop a construction employee delivery system with periodic emphasis being placed on pools to enable the majority of construction employment in a manner generally compatible with other desire to continue to participate in resource harvesting and at the same time work with government construction, education and services to develop and implement construction period training and apprenticeship programs	Medium	Intermediate	Entire construction period	High	Continuation of the dual economy during construction and expansion of Polar Gas	Directly from the large numbers of construction employees appearing within Polar Gas	Isolation or separation of facilities, activities and personnel from construction workers with government delivery system and starts to develop a construction employee delivery system with periodic emphasis being placed on pools to enable the majority of construction employment in a manner generally compatible with other desire to continue to participate in resource harvesting and at the same time work with government construction, education and services to develop and implement construction period training and apprenticeship programs	Medium	Intermediate	Entire construction period	High
		Indirectly from Polar Gas	Maximum to protect fish and game populations and to avoid or reduce effects on resource harvesting	As V.A.A. work with government, communities to develop and implement appropriate types and methods of construction period training and apprenticeship programs	Medium	Intermediate	Entire construction period	High							
		Indirectly from expansion of local	As V.A.A. work with government, communities to develop and implement appropriate types and methods of construction period training and apprenticeship programs	At least local businesses involved in the provision of construction materials, supplies and services, particularly those materials suppliers who are likely to be required during operations and maintenance	Medium	Intermediate	Entire construction period	High							
Non-resident population	Net increase	Immigration of families and individuals from other communities	Isolation or separation of facilities, activities and personnel from construction workers with government delivery system and starts to develop a construction employee delivery system with periodic emphasis being placed on pools to enable the majority of construction employment in a manner generally compatible with other desire to continue to participate in resource harvesting	Small to medium	Intermediate	Entire construction period	Intermediate	Some	Some	Small to medium	Intermediate	Entire construction period	Some	Some	
		Possible some out migration of the local or former territory oriented to resource harvesting	As V.A.A. work with government, communities to develop and implement appropriate types and methods of construction period training and apprenticeship programs	Work with government, communities, contractors and others to develop a construction employee delivery system including arrangements for housing in all affected Study Region communities, work with government, communities, contractors and businesses to develop and implement arrangements for the transportation of Study Region personnel between their home community and Polar Gas construction camps	Small to medium	Intermediate	Entire construction period	High	Some	Some	Small to medium	Intermediate	Entire construction period	Some	Some
Working age male population	Increase	Immigration from other communities	Work with government, communities, contractors and others to develop a construction employee delivery system including arrangements for housing in all affected Study Region communities, work with government, communities, contractors and businesses to develop and implement arrangements for the transportation of Study Region personnel between their home community and Polar Gas construction camps	Small to medium	Intermediate	Entire construction period	High	Some	Some	Small to medium	Intermediate	Entire construction period	Some	Some	
White resident population	Increase	Increase in government staff located in communities	Directly from the large numbers of construction employees appearing within Polar Gas	Isolation or separation of facilities, activities and personnel from construction workers with government delivery system and starts to develop a construction employee delivery system with periodic emphasis being placed on pools to enable the majority of construction employment in a manner generally compatible with other desire to continue to participate in resource harvesting	Small to medium	Intermediate	Entire construction period	High	Considerable	Considerable	Medium	Intermediate	Entire construction period	High	Considerable
		Indirectly from expansion of local	As V.A.A. work with government, communities to develop and implement appropriate types and methods of construction period training and apprenticeship programs	At least local businesses involved in the provision of construction materials, supplies and services, particularly those materials suppliers who are likely to be required during operations and maintenance	Medium	Intermediate	Entire construction period	High							

5. 以下各等式均成立，请证明：

B-7a TABLE C-1a

Anticipated Effect in the Type B Modified Community Case															Simulation as a Result of Polar Gas Policies and Programs															Anticipated Effect in the Type C Modified Community Case as a Result of Polar Gas Policies and Programs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Aspect of the Future Economic Situation without Polar Gas	Percent Effect		Base, Modified or Additional Polar Gas Policy or Program	Type and Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Number of jobs obtained by residents away from the community																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

V-B-7a TABLE 9 Cont'd

		Anticipated Effect in the Type B Mid- and Community Contract Sectors as a Result of Polar Gas Policies and Programs						Anticipated Effect in the Type C Mid- and Community Contract Sectors as a Result of Polar Gas Policies and Programs						
Potential Effect		Basic Methodology Assigned Polar Gas Policies or Programs	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For	
							Government	Communities					Government	Communities
Employment in government offices in the community	Employment in new positions by the federal government in contracts with Alaska	None												
		Assess local businesses to bid on the provision of construction materials	Medium to large	Intermediate	Entire construction period	High	Some	Some	Medium	Intermediate	Entire construction period	High	Some	Some
Employment in new positions by State services obtained in contracts with Alaska														
		Assess local businesses to bid on the provision of construction materials, supplies and services, particularly likely to be required during operations and maintenance as well as construction	Small	Intermediate	Entire construction period	High	Some	Some	Small	Intermediate	Entire construction period	High	Some	Little
Employment in new positions by State services obtained in contracts with Alaska														
			Medium to large	Intermediate	Entire construction period	Intermediate to high	Some	Some	Medium to large decrease at full-time participants	Intermediate	Entire construction period	Intermediate to high	Some	Little
Employment in new positions by State services obtained in contracts with Alaska														
			Medium	Low to intermediate	Entire construction period	Intermediate	Some	Some	Medium to large	Low to Intermediate	Entire construction period	Intermediate	Some	Some
Employment in new positions by State services obtained in contracts with Alaska														
			Medium						Medium to large decrease at full-time participants	Low to intermediate	Entire construction period	Intermediate	Some	Some
Employment in new positions by State services obtained in contracts with Alaska														
									Small decrease to small increase	Low to intermediate	Entire construction period	Low to intermediate	Some	Some
Employment in new positions by State services obtained in contracts with Alaska														

V-B-7a TABLE 9 (Cont'd)

Activity		Anticipated Effects in the Type B Modified Community Control Situation as a Result of Polar Gas Policies and Programs								Anticipated Effects in the Type C, Modified Community Control as a Result of Polar Gas Policies and Programs							
		Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985	Estimated Percent For Activity by Q-1985
—Harvest of fish or fur for export from the community	Not detectable	Construction activity could result in loss of some nets and traps and a loss of some fishing or trapping areas. Fishing regulation implemented by government during construction. Polar Gas Land reclamation could expand the market for certain export items.	Environmental measures described in V-A-6. Work with government and communities to develop types and the kinds of mitigation prior to construction. Assist local businesses to bid on the provision of construction supplies (including food, socio-economic monitoring during construction).	Small decrease to no medium increase	Low	Entire construction period	Low to high	Some	Some	Small decreases to medium increase	Low to high	Entire construction period	Low	Some	Considerable		
Local Businesses																	
Business obtaining contracts directly or indirectly as result of Polar Gas construction	Activity	Increase	Costs rise with Polar Gas, with other companies having contracts with Polar Gas or with government as a result of Polar Gas construction. By residents employed as a result of Polar Gas construction.	Assist local businesses to bid on the provision of construction materials, supplies and services, particularly those materials, supplies or services likely to be required during operations and maintenance as well as construction.	Medium to large	Intermediate	Entire construction period	Intermediate to high	Some	Some	Medium to large	Intermediate	Entire construction period	Intermediate to high	Some	Some	
—Turnover of Personnel	Management	Increase	Employment opportunities with Polar Gas or others as a result of Polar Gas construction. Provision of training in expanded business.	None	Medium	Intermediate	Entire construction period	Intermediate to high	Some	Little	Medium	Intermediate	Entire construction period	Intermediate to high	Some	Little	
—Staff	—Staff	Increase	Employment opportunities with Polar Gas or others as a result of Polar Gas construction.	None	Medium to large	Intermediate	Entire construction period	High	Some	Little	Large	Intermediate	Entire construction period	High	Some	Little	
—Operating costs	—Operating costs	Not increase	If prior wages required to retain staff as possible additional costs resulting from delays. Less savings resulting from previously utilized resources.	Work with government communities to avoid interference with transportation, communications services during construction.	Large	Intermediate	Entire construction period	High	Some	Little	Large	Intermediate	Entire construction period	High	Some	Little	
Business Activities		Increase	Goods and services purchased by companies working directly or indirectly for Polar Gas or directly for government as a result of Polar Gas construction. Expanded business of residents employed by Polar Gas construction.	None	Medium to large	Intermediate	Entire construction period	High	Some	Some	Large	Intermediate	Entire construction period	High	Some	Some	
Turnover of Personnel		Increase	Employment opportunities with Polar Gas or other business. Provision of training in expanded business.	None	Medium to large	Intermediate	Entire construction period	High	Some	Some	Large	Intermediate	Entire construction period	High	Some	Little	
—Staff	—Staff	Increase	Employment opportunities with Polar Gas or other business.	None	Medium to large	Intermediate	Entire construction period	High	Little	Little	Large	Intermediate	Entire construction period	High	Little	Little	
—Operating Costs	—Operating Costs	Not increase	If prior wages required to retain staff as possible additional costs resulting from delays in transportation, communications services during construction.	Work with government, communities to avoid interference with transportation, communications services during construction.	Medium to large	Intermediate	Entire construction period	High	Some	Little	Large	Intermediate	Entire construction period	High	Some	Little	

A B-TABLE Continued

Anodepass Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Polarity and Programs

Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Policy and Program

V-B-6 TABLE 9 C-1 d

Aspects of the Future Cultural Scenario without Polar Gas	Potential Effects		An Anticipated Effect in the Type B Modified Community Context Scenario as a Result of Polar Gas Policies and Programs						Options for Addressing Options		An Anticipated Effect in the Type C Modified Community Context Scenario as a Result of Polar Gas Policies and Programs						Options for Addressing Options	
	Government	Community	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Community	Government	Community	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Community	Government	Community
Impaired income from harvest	Small increase	Could decrease through loss of resource harvesting opportunities during Polar Gas construction or could decrease through loss of hunting opportunities because of employment with construction	Environmental measures described in V-B-6 work with government, communities to develop types and methods of mitigation for losses not being of socio-economic effects during construction	Small to medium increase	Low to medium	Early construction period	Low to medium	Low to medium	Low to medium	Low to medium	Low to medium	Low to medium	Low to medium	Low to medium	Low to medium	Low to medium	Low to medium	Low to medium
Transfer Payments	Payments to UIC and made during equipment purchases directly or indirectly from Polar Gas construction	Payments to UIC and made during equipment purchases directly or indirectly from Polar Gas construction	Work with government, communities to develop a construction employment and a market program compatible with local desire to continue to participate in resource harvesting and at the same time work with government, communities and unions to develop and implement construction period training and apprenticeship programs on a case-by-case basis with Polar Gas employment for skilled operators and main engine personnel	Large	Intermediate to high	Early construction period and possibly beyond	High	Intermediate	Intermediate	Intermediate	Large	Intermediate	Early construction period and possibly beyond	High	Considerable	Little	Considerable	Little
Cost of Living	Increase	Higher wage levels required to obtain or retain workers locally during Polar Gas construction, construction and substitution effects as result of employment by Polar Gas or as a result of Polar Gas spend thus increased disposable incomes shortage of goods and materials arising from interference with transportation and re-supply operations	Cooperate planning with government and communities work with government, communities, business to reduce the potential for shortages resulting from interference with transportation, re-supply operations	Large increase	Low to medium	Early construction period and possibly beyond	Intermediate	Some	Little	Large increase	Low to medium	Low to medium	Early construction period and possibly beyond	Intermediate	Some	Little	Some	Little
Savings and Investment	Small increase	Enough employment opportunities to provide a degree of absence of local banking of credit when services of many firms in the use of savings accounts	Expanded range of consulting services including financial planning, work with communities and financial institutions to increase local banking services	Small to medium increase	Low to medium	Early construction period	Intermediate	Some	Some	Medium	Low to medium	Low to medium	Early construction period	Intermediate	Some	Some	Some	Some

V-B-7a TABLE 9 Cont'd

Potential Effect		Anticipated Effect in the Type B-M-3 and Community Compact Situation as a Result of Polar Gas Policies and Programs								Anticipated Effect in the Type C-Modified Community Compact Situation as a Result of Polar Gas Policies and Programs					
		Basic Modification Additions: Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For		
							Government	Communities					Government	Communities	
1	Decrease	Lack of local banking or credit union services, and most common use, satisfaction of many flows with the site	Expanded range of banking services, including financing, planning, work with government, commercial and financial institutions to increase availability of banking, credit union services in the Study Region	Small to medium increase	Low to intermediate	Entire construction period and beyond	Intermediate	Some	Some	Small to medium increase	Intermediate	Entire construction period and beyond	Intermediate	Some	Some
2	Increase	Direct, indirect field level administrative management and regulatory tasks arising from Polar Gas construction, social effects of employment with Polar community level	Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities		Intermediate	Entire construction period	High	Considerable	Some	Large	Intermediate	Entire construction period	High	Construction	Some
3	See General Level of Action		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities	Medium	Intermediate	Entire construction period	High	Some	Little	Medium to large	Intermediate	Entire construction period	High	Some	Some
4	See General Level of Action		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities	Medium to large	Intermediate	Entire construction period	High	Some	Little	Medium to large	Intermediate	Entire construction period	High	Some	Little
5	See General Level of Action		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities	Small to medium	Intermediate	Entire construction period	High	Some	Little	Small to medium	Intermediate	Entire construction period	High	Some	Little
6	Increase		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities	Medium to large	Intermediate	Entire construction period	High	Some	Little	Medium to large	Intermediate	Entire construction period	High	Some	Little
7	See General Level of Action		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities	Medium	Intermediate	Entire construction period	High	Some	Little	Medium to large	Intermediate	Entire construction period	High	Some	Little
8	See General Level of Action		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities	Small to medium	Intermediate	Entire construction period	High	Some	Little	Medium to large	Intermediate	Entire construction period	High	Some	Little
9	See General Level of Action		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities	Medium	Intermediate	Entire construction period	High	Some	Some	Medium to large	Intermediate	Entire construction period	High	Some	Some
10	See General Level of Action		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities	Medium	Intermediate	Entire construction period	High	Considerable	Some	Medium	Intermediate	Entire construction period	High	Considerable	Some
11	See General Level of Action		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities	Medium to large	Intermediate	Entire construction period	High	Some	Little	Large	Intermediate	Entire construction period	High	Some	Little
12	See General Level of Action		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities	Medium	Intermediate	Entire construction period	High	Some	Some	Medium to large	Intermediate	Entire construction period	High	Some	Some
13	See General Level of Action		Cooperative planning with government, reimbursement prior to construction, reduction or separation of Polar Gas facilities, activities, provided from construction, work with regulatory agencies to ensure alcohol and drugs at Polar Gas facilities			Last year of construction period	Considerable	Some to	Not Known	—	Last year of construction period	—	Considerable	Some	Some

TABLE 9 (Cont.)

Aspect of the Future Cultural Situation without Polar Gas	Potential for Change			Anticipated Effect on the Type B Modelled Community Context Situation as a Result of Polar Gas Policies and Programs					Anticipated Effect on the Type C Modelled Community Context Situation as a Result of Polar Gas Policies and Programs					
	Nature of Change	Direction of Change	Basic Modelled or Anticipated Polar Gas Policy or Program	Level of Anticipated Effect	Level of Confidence Assigned to Estimate	Extent and Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Comments	Level of Anticipated Effect	Level of Confidence Assigned to Estimate	Extent and Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Comments	
Housing Shortage of Units	Increase	In-migration of Inuit and N.A. to employment and transportation demand for separate housing by leaving Inuit formerly unemployed and living with their family increased demand for separate housing by Inuit employed by Polar Gas to others as a result of Polar Gas	Early and continuing publicly access Canada about Polar Gas policy of being non-resident only in northern Canada, living in all interested Study Region communities to transport Study Region personnel between their home communities and Polar Gas construction camps, cooperative planning with government and communities to reduce and to react to housing shortages	Medium	Intermediate	Entire construction period	High	Considerable	Some	Medium to large	Intermediate	Entire construction period	High	Considerable
Number of Occupants per unit	Increase	In-migration of Inuit and N.A. to employment and transportation demand for separate housing by leaving Inuit employed by Polar Gas to others as a result of Polar Gas	Early and continuing publicly access Canada about Polar Gas policy of being non-resident only in northern Canada, living in all interested Study Region communities to transport Study Region personnel between their home communities and Polar Gas construction camps, cooperative planning with government and communities to prevent overcrowding	Medium to large	Intermediate	Entire construction period	High	Some	Medium to large	Intermediate	Entire construction period	High	Considerable	Some
Dependability of Sewerage Pickup and Water Delivery Services	Decrease	Staff turnover because of employment opportunities with Polar Gas or local businesses, government because of Polar Gas	Cooperative planning with government and communities prior to construction	Medium	Intermediate	Entire construction period	High							
Availability of Health Services Locally	Decrease	Staff turnover because of employment opportunities with Polar Gas	Co-operative planning with government and communities prior to construction	Medium		Entire construction period	High	Considerable	Little	Intermediate			High	Considerable
Availability of Public Safety Services Locally	Decrease	Staff turnover because of employment opportunities with Polar Gas	Co-operative planning with government and communities prior to construction	Medium	Intermediate	Entire construction period	High	Considerable	Little	Intermediate	Entire construction period	High	Considerable	Little
Volunteer Firemen	Decrease	Absence of volunteers from community when employed by Polar Gas or by businesses and government at points outside the community	Co-operative planning with government and communities prior to construction	Small decrease to medium increase	Intermediate	Entire construction period	High	Some	Considerable				High	Considerable
Availability of Communications City to City	Decrease	Use of existing circuits by Study Region residents using cell phone when employed by Polar Gas, use of existing circuits by other employees wanting to call home, increase in use of cell, city to government personnel and local businesses	Work with government, communities and communications companies to keep Polar Gas personnel into system separate from systems serving communities where such integration would be advantageous to the cooperative planning with government, communities and telephone companies prior to construction	Medium	Intermediate	Entire construction period	High	Some	Some	Small increase to medium increase	Intermediate	Entire construction period	High	Considerable
Availability of Transportation Services	Decrease	Polar Gas requirements for transportation services, including extra in transport Study Region personnel between communities and construction for additional transportation services because of Polar Gas construction	Work with government, communities, businesses to ensure that Polar Gas requirements do not interfere with community services and requirements	Medium decrease to medium increase				Considerable		Medium decrease to medium increase	Intermediate	Entire construction period	High	

TABLE 13
COMPARISON OF THE SOCIAL EFFECTS COMMON TO COMMUNITIES IN THE VICINITY
OF POLAR GAS FACILITIES DURING CONSTRUCTION IN THE TYPES B AND C
MODIFIED COMMUNITY CONTACT SITUATIONS

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs							Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs						Potential For Action by Others	
	Nature	Sources	Base, Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Community	Potential For Action by Others	
General Social Situation	Net deterioration	Changes in social characteristics, community social structure and local economy, result of Polar Gas construction, particularly changes associated with increased employment and the side effects of these changes	Generally, cooperative planning with governmental commissions, isolate or separate Polar Gas facilities, excluders and personnel from communities. It is recommended personnel through workers housing but to work with government commissions, construction and attempt to develop a construction manpower delivery system with particular emphasis being placed on the development and use of labor pools to enable the majority of sources of residents to participate in general, is compatible with their desire to continue to participate in resource harvesting, and, at the same time work with government commissions, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with, it suggests that Polar Gas requirements for a full operations and maintenance personnel expand commission benefits for all personnel, including supervision personnel receive counseling services available to all personnel to ensure that they are appropriate to the type of modified community contact situation in effect, work closely with government commissions and financial institutions to expand the financial services available to the 5-wly Region particularly banking services, insurance, etc.	Medium	Intermediate	Entire construction period	Intermediate	Some	Considerable	Medium	Intermediate	Entire construction period	Intermediate	Considerable	Considerable	Considerable	Considerable
Social Characteristics —Based on local level —Isolated from elsewhere	Deteriorate	Location of Polar Gas facilities, activities, personnel relative to communities, influx of transient, immigrants seeking positions with Polar Gas local businesses, government increased employment of government staff in the community	Isolate or separate Polar Gas facilities, activities, personnel from communities, have excluders residents in the north, wherever possible or they have communities, limit social business activities construction to be on the provision of construction materials, supplies and services, particularly those that will be required during operations and maintenance as well as service, non socio-economic management, other specific policies as noted below	Some	Intermediate	Entire construction period	Intermediate	Some	Some	Intermediate	Intermediate	Entire construction period	Intermediate	Some	Some	Some	Some

V-B-76 TABLE 13 (Cont'd)

Anticipated Effects in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Anticipated Effects in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Code	Policy/Program	Nature of Action	Description of Action	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Action by Others	
								Government	Communities					Government	Communities
								Some	Some					Some	Some
V-B-76 TABLE 13 (Cont'd)	Polar Gas Policy/Program	Decrease	Reduction of Polar Gas facilities, activities, personnel relative to communities impacted with Polar Gas	Small to medium	Intermediate	Entire construction period	Intermediate	Some	Some	Small to medium	Low to intermediate	Entire construction period	Intermediate	Some	Some
			From communities work with government, communities to develop "northern residents", but some resident personnel through southern having built, ensure that Polar Gas of being with northern residents in the north is published through-out Canada prior to and during construction												
			Isolation of separate Polar Gas facilities, activities, personnel relative to communities impacted with Polar Gas	Large	Intermediate	Entire construction period	Intermediate	Some	Some	Large	Low to intermediate	Entire construction period	Intermediate	Some	Some
V-B-76 TABLE 13 (Cont'd)	Polar Gas Policy/Program	Increase	Polar Gas activities of residents working personnel in Polar Gas, local businesses, government increased government personnel residents in or passing through the communities												
			Gas personnel and communities, recovery of southern personnel and out of the Study Region in local passing through communities												
			Isolation of separate Polar Gas facilities, activities, personnel relative to communities impacted with Polar Gas												
V-B-76 TABLE 13 (Cont'd)	Polar Gas Policy/Program	Decrease	From communities work with government, communities to develop "northern residents", but some resident personnel through southern having built, ensure that Polar Gas of being with northern residents in the north is published through-out Canada prior to and during construction												
			Isolation of separate Polar Gas facilities, activities, personnel relative to communities impacted with Polar Gas												
			Polar Gas activities of residents working personnel in Polar Gas, local businesses, government increased government personnel residents in or passing through the communities												
V-B-76 TABLE 13 (Cont'd)	Polar Gas Policy/Program	Increase	Gas personnel and communities, recovery of southern personnel and out of the Study Region in local passing through communities												
			Isolation of separate Polar Gas facilities, activities, personnel relative to communities impacted with Polar Gas												
			Polar Gas activities of residents working personnel in Polar Gas, local businesses, government increased government personnel residents in or passing through the communities												
V-B-76 TABLE 13 (Cont'd)	Polar Gas Policy/Program	Decrease	From communities work with government, communities to develop "northern residents", but some resident personnel through southern having built, ensure that Polar Gas of being with northern residents in the north is published through-out Canada prior to and during construction												
			Isolation of separate Polar Gas facilities, activities, personnel relative to communities impacted with Polar Gas												
			Polar Gas activities of residents working personnel in Polar Gas, local businesses, government increased government personnel residents in or passing through the communities												
V-B-76 TABLE 13 (Cont'd)	Polar Gas Policy/Program	Increase	Gas personnel and communities, recovery of southern personnel and out of the Study Region in local passing through communities												
			Isolation of separate Polar Gas facilities, activities, personnel relative to communities impacted with Polar Gas												
			Polar Gas activities of residents working personnel in Polar Gas, local businesses, government increased government personnel residents in or passing through the communities												

V-B-75 TABLE 13 (Contd)

Aspect of the Policy Social Situation without Polar Gas	Policy	Anticipated Effect on the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs				Anticipated Effect on the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs				Total For Actions by D-30s	
		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Community
Middle-aged women	No change	Minor	Low	Intermittent	Low	Small	Low	Intermittent	Low	Some	Some
Young men	Not increase	Medium	Intermediate	Entire construction period	High	Medium to large	Intermediate	Entire construction period	Intermediate	Some	Some
Young women	Increase	Medium	Intermediate	Entire construction period	High	Medium to large	Intermediate	Entire construction period	Intermediate	Some	Some

V-B-7a TABLE 11 Cont'd

An Aspects of Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs							Anticipated Effects in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs					
Action or Policy	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others	
					Government	Communities					Government	Communities
1. Large					Some	Some	Large	Intermediate	Entire construction period	Intermediate	Some	Some
2. Intermediate												
3. Small												
4. Very Small												
5. None												
6. Very Small												
7. Small												
8. Intermediate												
9. Large												
10. Very Large												
11. Extremely Large												
12. Unpredictable												
13. Unpredictable												
14. Unpredictable												
15. Unpredictable												
16. Unpredictable												
17. Unpredictable												
18. Unpredictable												
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96. Unpredictable												
97. Unpredictable												
98. Unpredictable												
99. Unpredictable												
100. Unpredictable												

v-B 7A TABLE 13 Cont'd

Anticipated Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs																Anticipated Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs															
Aspect of the Future Small Subarea without Polar Gas	Potential Effect		Type B Modified Community Context Situation												Type C Modified Community Context Situation																
	Nature	Sources	Direction of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential Effect		Direction of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential Effect		Direction of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate													
Women	Increase	Employment opportunities with Polar Gas or local businesses, government as a result of Polar Gas construction	Medium	Immediate	Entire construction period	Intermediate	Some	Some	Large	Intermediate	Entire construction period	Intermediate	Some	Some	Medium to large	Intermediate	Entire construction period	Intermediate	Some	Some											
Unemployed - Inuit	Not decrease	Loss of resource harvesting opportunities, employment and training opportunities with Polar Gas during construction, additional training opportunities with local businesses and government during Polar Gas construction	Medium to large	Intermediate	Entire construction period	Intermediate	Some	Some	Medium to large	Intermediate	Entire construction period	Intermediate	Some	Some	Medium to large	Intermediate	Entire construction period	Intermediate	Some	Some											
Environment	Not decrease	Loss of resource harvesting opportunities, employment and training opportunities with Polar Gas during construction, additional training opportunities with local businesses and government during Polar Gas construction	Medium to large	Intermediate	Entire construction period	Intermediate	Some	Some	Large	Intermediate	Entire construction period	Intermediate	Some	Some	Large	Intermediate	Entire construction period	Intermediate	Some	Some											

VB 7a TABLE 13 Cont'd

V-B-7a TABLE 13 Continued

Anticipated Effect on the Type B Mixed Community Contact Situation as a Result of Polar Gas Policies and Programs															Anticipated Effect on the Type C Mixed Community Contact Situation as a Result of Polar Gas Policies and Programs				
Aspect of the Future Social Situation without Polar Gas	Potential Effect	Baseline	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Actions by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Actions by Others						
							Government	Communities					Government	Communities					
Aboriginal	Decrease	Loss of resource harvesting opportunities because of Polar Gas activities. Loss of employment opportunities because of shift from resource harvesting from land to sea. Increased risk of disease from increased use of Polar Gas facilities.	Environmental measures presented in V-B-7a and with governments, communities to develop and implement appropriate types and levels of mitigation to separate Polar Gas facilities, activities, and personnel from communities. Work with government, communities to develop an acceptable definition of the term "northern resident." Have hunting halls, ensure that Polar Gas policy of having only northern residents published throughout Canada prior to and during construction work with government, communities.	Small to medium	Intermediate	Entire construction period	Intermediate	Some	Some	Medium	Intermediate	Entire construction period	Intermediate	Some	Some				
White residents	Decrease	Changes in job responsibilities, practices, employment of white with Polar Gas or others as a result of Polar Gas construction.	Isolate separate Polar Gas facilities, activities and personnel from communities work with government, communities to develop an acceptable definition of the term "northern resident." Have hunting halls, ensure that Polar Gas policy of having only northern residents published throughout Canada prior to and during construction work with government, communities.	Small	Intermediate	Entire construction period	Intermediate	Some	Some	Small to medium	Intermediate	Entire construction period	Intermediate	Some	Some				
Women	Decrease	Loss of resource harvesting opportunities because of Polar Gas facilities, activities, personnel, employment of husband, wife or other family members with Polar Gas or others as a result of Polar Gas construction.	Isolate separate Polar Gas facilities, activities and personnel from communities work with government, communities to develop an acceptable definition of the term "northern resident." Have hunting halls, ensure that Polar Gas policy of having only northern residents published throughout Canada prior to and during construction work with government, communities.	Small	Intermediate	Entire construction period	Intermediate	Some	Some	Small to medium	Intermediate	Entire construction period	Intermediate	Some	Some				
Elderly	Decrease	Loss of resource harvesting opportunities because of Polar Gas facilities, activities, personnel, employment of husband, wife or other family members with Polar Gas or others as a result of Polar Gas construction.	Environmental measures presented in V-B-7a and with government, communities to develop and implement appropriate types and levels of mitigation to separate Polar Gas facilities, activities and personnel from communities. Work with government, communities to develop an acceptable definition of the term "northern resident." Have hunting halls, ensure that Polar Gas policy of having only northern residents published throughout Canada prior to and during construction work with government, communities.	Medium	Intermediate	Entire construction period	Intermediate	Some	Some	Medium to large	Intermediate	Entire construction period	Intermediate	Some	Some				

TABLE 11 (cont.)

V-B-7a TABLE 13 (Cont'd)

Anticipated Effect in the Type-B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Anticipated Effect in the Type-C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Anticipated Effect on Arctic Community Contact	Nature of Effect	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Forecast For Actions by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
						Government	Communities						
Medium magnitude	Medium	Isolate or separate Polar Gas facilities, activities and personnel from communities, work with government communities to develop an acceptable definition of isolation.	Small increase	Low to intermediate	Early construction period	Intermediate	Some	Some	Small increase	Low to intermediate	Early construction period	Intermediate	Some

new Contract Situation as a Result of Polar Gas Power and Program

W. H. R. 1961. *Journal of the Royal Society of Medicine* 54: 113.

Anticipated Effect on the Type C Modified Community Contract as a Result of Polar Gas Policies and Programs

APPENDIX B TABLE 13 (Cont'd)

Aspects of the Future Social Situations without Polar Gas	Potential Effects		Bills, Modified or Additional Polar Gas Policy or Program	Anticipated Effect on the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs						Anticipated Effect on the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs					
	Nature	Sources		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	No Estimate for Actions by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	No Estimate for Actions by Others	
								Government	Communities					Government	Communities
White residents	No change	Cultural, economic, social background, skills and experience	Expanded orientation briefings for all personnel to ensure that they are appropriate to the community context situation in effect. Work closely with government, communities and financial institutions to expand the range of financial services available in the Study Region, particularly banking services, assist local businesses to bid on the provision of materials, supplies and services, particularly those that will be required during operations and maintenance, the housing stock in Study Region communities, and if appropriate assist employers wishing to work with government, communities to control alcohol and illegal drugs at Polar Gas facilities.	No change	Intermediate	Entire construction period	Intermediate	Some	Some	No change	Intermediate	Entire construction period	Intermediate	Some	Some
Women (remaining at households)	No change	Cultural, economic, social background, skills and experience	Expanded orientation briefings for all personnel to ensure that they are appropriate to the community context situation in effect. Work closely with government, communities and financial institutions to expand the range of financial services available in the Study Region, particularly banking services, assist local businesses to bid on the provision of materials, supplies and services, particularly those that will be required during operations and maintenance, the housing stock in Study Region communities, and if appropriate assist employers wishing to work with government, communities to control alcohol and illegal drugs at Polar Gas facilities.	No change	Intermediate	Entire construction period	Intermediate	Some	Some	No change	Intermediate	Entire construction period	Intermediate	Some	Some

Appendix 1 to Table 13: A
Summary of the
Main Findings

Table 13

Table 13: A
Summary of the
Main Findings

Table 13: A
Summary of the
Main Findings

V-B-16 TABLE 13) Cont'd									
Results of Policy-Governance and Programs									
Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Effects to Occur		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate
				Government	Communities				
Large	Intermediate	Error construction period	Some	Some		Large	Intermediate	Error construction period	Intermediate
									Some
									Some

TABLE 13 (Contd)

A. B. TABLE 13 (Cont'd)

TABLE 10
continued

V-9-7-6 TABLE 13 Cont'd

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs														Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs			
Aspect of the Future Social Situation without Polar Gas	Nature	Basic Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Actions by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Actions by Others				
							Government	Communities					Government	Communities			
Community Social Structure and Local decision-making Capabilities — ability to maintain the existing class structure	Decrease	services, must local businesses to bid on the provision of materials, supplies and services, particularly those that will be required during operations and maintenance, must with efforts to decrease the housing stock in Study Region community, and if appropriate, assist employees wanting to work towards home ownership to do so, socio-economic partnering work with government, commitment to control Polar Gas land use															
		Environmental measures pursued in a 6- to 8-week pre-construction community to develop and implement appropriate and appropriate measures prior to construction work with government, communities, contractors and subcontractors, independent delivery system with particular emphasis being placed on the development and use of labour pools to enable the community to participate in construction employment while continuing to engage in resource harvesting activities with government, community, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel about local businesses to bid on the construction period	Medium	Intermediate	Entire construction period	Intermediate	Little	Little	Medium to large	Intermediate	Entire construction period	Intermediate	Little	Little			
White residents	Decrease	Employment and training opportunities with Polar Gas, increased employment opportunities with local businesses, government during construction, increased complement of government staff in the community, local business opportunities with Polar Gas or others during construction	Small	Intermediate	Entire construction period	Intermediate	Little	Little	Small to medium	Intermediate	Entire construction period	Intermediate	Little	Little			

V B-26 TABLE 12 (Cont'd)

TABLE 13 (Cont.)

Aspect of the Polar Social Situation without Polar Gas	Polaris Effect		Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs						Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs						Reaction for Activity Others	
	Nature	Source	Basic, Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Notes	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Notes	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Reaction for Activity Others
Ability to collectively react to problems or opportunities	Increase	Polar Gas application subsequent to community consultation with Polar Gas government	Cooperative planning with communities, etc.	Medium to large	Intermediate	Entire construction period	Intermediate		Medium to large	Intermediate	Entire construction period	Intermediate		Medium to large	Intermediate	Considerable
Support given local council	Increase	Polar Gas application subsequent to community consultation with Polar Gas government	Cooperative planning with communities, etc.	Medium to large	Intermediate	Entire construction period	Intermediate		Medium to large	Intermediate	Entire construction period	Intermediate		Medium to large	Intermediate	Considerable
Workload of local council	Increase	Polar Gas application subsequent to community consultation with Polar Gas government	Cooperative planning with communities, etc.	Medium to large	Intermediate	Entire construction period	Intermediate		Medium to large	Intermediate	Entire construction period	Intermediate		Medium to large	Intermediate	Considerable
Participation of lay individuals	Decrease	Workload and inherent heavy responsibilities may discourage initial or continuing participation in community advisory or decision making bodies	Work with government communities, etc.	Medium	Intermediate	Entire construction period	Intermediate		Medium to large	Intermediate	Entire construction period	Intermediate		Medium to large	Intermediate	Considerable

TABLE 13 (Cont'd)

V-B-76 TABLE 13 Cont'd

Associated Effects in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs															Associated Effects in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs														
Aspects of the Future Social Situation without Polar Gas	Potential Effect		Basic Modified or Additional Polar Gas Policy or Program	Estimate of Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimate of Effect or Activity by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimate of Effect or Activity by Others															
	Nature	Sources						Government	Community					Government	Community														
Use of alcohol	Increase	Increased expenditure on alcohol at Polar Gas facilities as a result of employment opportunities and increased disposable cash income decrease in employment opportunities and towards end of construction	Work with government, communities to expand the range of financial services available in the Study Region, particularly banking services, small local businesses to hold on the provision of materials, supplies and services, particularly those that will be required during construction to increase the housing stock in Study Region communities, and if appropriate, assist employees wishing to work towards home ownership to work with government, communities, contractors and unions to develop a construction manpower development system with particular emphasis being placed on training modern residents to labour pools to enable the majority of them to continue to engage in construction	Medium	Intermediate	Entire construction period	Intermediate	Some	Considerable	Medium	Intermediate	Entire construction period	Intermediate	Some	Considerable														
Influence of alcohol-related court convictions	Increase	Increased expenditure on alcohol at Polar Gas facilities as a result of employment opportunities and increased disposable cash income decrease in employment opportunities and towards end of construction	Work with government, communities to develop the best means of expanding alcohol at Polar Gas facilities - expand recreation benefits for all personnel, review counselling services to ensure that they are appropriate to the type of modified community situation, effort, work closely with government, communities and financial institutions to expand the range of financial services available in the Study Region, particularly banking services, small local businesses to hold on the provision of materials, supplies and services, particularly those that will be required during construction and unions to develop a construction and systems development system with particular emphasis being placed on the development and use of labour pools to enable the majority of modern residents to gain experience in construction employment while continuing to engage in construction	Medium	Intermediate	Entire construction period	Intermediate	Some	Considerable	Medium	Intermediate	Entire construction period	Intermediate	Some	Considerable														

VOLUME TABLE (Contd.)

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A-B-76 TABLE 6 (Contd.)

X-B-76 TABLE II
COMPARISON OF CULTURAL EFFECTS COMMON TO COMMUNITIES
IN THE VICINITY OF POLAR GAS FACILITIES DURING CONSTRUCTION
IN THE TYPE B AND C MODIFIED COMMUNITY CONTACT SITUATION¹

Associated Effects in the Type B Modified Community Contact Situation as a Result of Polar Gas Facilities and Programs

Associated Effects in the Type C Modified Community Contact Situation as a Result of Polar Gas Facilities and Programs

Aspects of the Future Cultural Situation without Polar Gas	Nature	Basic Modified or Additional Polar Gas Policies or Programs	Estimated Magnitude of Associated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Associated Effect	Level of Confidence Assigned to Estimate	Potential for Actions by Others		Estimated Magnitude of Associated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Associated Effect	Level of Confidence Assigned to Estimate	Potential for Actions by Others	
							Government	Communities					Government	Communities
Control ability of local residents of the characteristics and evolution of the community	Not desirable	Loss of control of Polar Gas facilities activities and personnel relative to communities	Cooperative planning with government and community activities and separation of Polar Gas facilities activities and personnel from community work	Uncertain, could range from medium to slight increase	Uncertain	Entire construction period	Intermediate	Intermediate	Major loss and could decrease to medium or increase	Intermediate	Period	Intermediate	Some	Little
		Polar Gas effects on residents	Cooperative planning with government and community activities and separation of Polar Gas facilities activities and personnel from community work	Uncertain, could range from medium to slight increase	Uncertain	Entire construction period	Intermediate	Intermediate	Major loss and could decrease to medium or increase	Intermediate	Period	Intermediate	Some	Little
	Desirable	Employment with Polar Gas	Work with government and community to develop and implement a construction management and training situation placing particular emphasis on the development and use of labor pools, arrangements for transportation of local people personnel between their home communities and	Uncertain, could range from medium to slight increase	Uncertain	Entire construction period	Intermediate	Intermediate	Major loss and could decrease to medium or increase	Intermediate	Period	Intermediate	Some	Little
Evidence and knowledge of Pre-Inuit and early Inuit cultures	Desirable	Polar Gas facilities activities and personnel	Archaeological program as described in X-A-6	Negligible	Intermediate to high	Entire construction period	High	Some	Negligible	Intermediate to high	Entire construction period	High	Some	Little
		Polar Gas facilities activities and personnel	Archaeological program as described in X-A-6	Negligible	Intermediate to high	Entire construction period	High	Some	Negligible	Intermediate to high	Entire construction period	High	Some	Some
	Desirable	Decreased integrity of known archaeological sites	Archaeological program as described in X-A-6	No decrease in integrity of known archaeological sites	Intermediate	Periodic	High	Some	Medium to large increase likely	Intermediate	Periodic	High	Some	Little
Areas of traditional cultural importance	Temporary or permanent loss	Loss of traditional activities and personnel	Loss of traditional activities and personnel	Small to medium increase	Intermediate	Portions of the construction period	High	Some	Small to medium increase likely	Intermediate	Portions of the construction period	High	Some	Some
		Polar Gas temporary or permanent loss of traditional activities and personnel	Loss of traditional activities and personnel	Small to medium increase	Intermediate	Entire construction period	Intermediate	Some	Small to medium increase likely	Intermediate	Entire construction period	Intermediate	Some	Some
	Desirable	Loss of traditional activities and personnel	Loss of traditional activities and personnel	Small to medium increase	Intermediate	Entire construction period	Intermediate	Some	Small to medium increase likely	Intermediate	Entire construction period	Intermediate	Some	Some

Anticipated Effect in the Type B Modified Common-ty Contact Situation as a Result of Polar Gas Polster and Programs

Explanatory Methods of Anticipated Effect	Parental For Others	
	Assigned to Estimate	Assigned to Estimate
Government		Community

V.B.7.a TABLE 2

COMPARISON OF ECONOMIC EFFECTS DURING EARLY OPERATIONS AND MAINTENANCE
COMMON TO COMMUNITIES WHERE NO ONE WORKS FOR POLAR GAS AFTER CONSTRUCTION
IN THE TYPE B AND C MODIFIED COMMUNITY CONTACT SITUATIONS

Assess potential effects in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Assess potential effects in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Aspect of the Future Economic Situation without Polar Gas		Type B		Type C		Type D		Type E		Type F		Type G		Type H		Type I		Type J		Type K		Type L		Type M		Type N		Type O		Type P		Type Q		Type R		Type S		Type T		Type U		Type V		Type W		Type X		Type Y		Type Z		Type AA		Type AB		Type AC		Type AD		Type AE		Type AF		Type AG		Type AH		Type AI		Type AJ		Type AK		Type AL		Type AM		Type AN		Type AO		Type AP		Type AQ		Type AR		Type AS		Type AT		Type AU		Type AV		Type AW		Type AX		Type AY		Type AZ		Type BA		Type BB		Type BC		Type BD		Type BE		Type BF		Type BG		Type BH		Type BI		Type BJ		Type BK		Type BL		Type BM		Type BN		Type BO		Type BP		Type BQ		Type BR		Type BS		Type BT		Type BU		Type BV		Type BW		Type BX		Type BY		Type BZ		Type CA		Type CB		Type CC		Type CD		Type CE		Type CF		Type CG		Type CH		Type CI		Type CJ		Type CK		Type CL		Type CM		Type CN		Type CO		Type CP		Type CQ		Type CR		Type CS		Type CT		Type CU		Type CV		Type CW		Type CX		Type CY		Type CZ		Type DA		Type DB		Type DC		Type DD		Type DE		Type DF		Type DG		Type DH		Type DI		Type DJ		Type DK		Type DL		Type DM		Type DN		Type DO		Type DP		Type DQ		Type DR		Type DS		Type DT		Type DU		Type DV		Type DW		Type DX		Type DY		Type DZ		Type EA		Type EB		Type EC		Type ED		Type EE		Type EF		Type EG		Type EH		Type EI		Type EJ		Type EK		Type EL		Type EM		Type EN		Type EO		Type EP		Type EQ		Type ER		Type ES		Type ET		Type EU		Type EV		Type EW		Type EX		Type EY		Type EZ		Type FA		Type FB		Type FC		Type FD		Type FE		Type FF		Type FG		Type FH		Type FI		Type FJ		Type FK		Type FL		Type FM		Type FN		Type FO		Type FP		Type FQ		Type FR		Type FS		Type FT		Type FU		Type FV		Type FW		Type FX		Type FY		Type FZ		Type GA		Type GB		Type GC		Type GD		Type GE		Type GF		Type GG		Type GH		Type GI		Type GJ		Type GK		Type GL		Type GM		Type GN		Type GO		Type GP		Type GQ		Type GR		Type GS		Type GT		Type GU		Type GV		Type GW		Type GX		Type GY		Type GZ		Type HA		Type HB		Type HC		Type HD		Type HE		Type HF		Type HG		Type HH		Type HI		Type HJ		Type HK		Type HL		Type HM		Type HN		Type HO		Type HP		Type HQ		Type HR		Type HS		Type HT		Type HU		Type HV		Type HW		Type HX		Type HY		Type HZ		Type IA		Type IB		Type IC		Type ID		Type IE		Type IF		Type IG		Type IH		Type II		Type IJ		Type IK		Type IL		Type IM		Type IN		Type IO		Type IP		Type IQ		Type IR		Type IS		Type IT		Type IU		Type IV		Type IW		Type IX		Type IY		Type IZ		Type JA		Type JB		Type JC		Type JD		Type JE		Type JF		Type JG		Type JH		Type JI		Type JJ		Type JK		Type JL		Type JM		Type JN		Type JO		Type JP		Type JQ		Type JR		Type JS		Type JT		Type JU		Type JV		Type JW		Type JX		Type JY		Type JZ		Type KA		Type KB		Type KC		Type KD		Type KE		Type KF		Type KG		Type KH		Type KI		Type KJ		Type KK		Type KL		Type KM		Type KN		Type KO		Type KP		Type KQ		Type KR		Type KS		Type KT		Type KU		Type KV		Type KW		Type KX		Type KY		Type KZ		Type LA		Type LB		Type LC		Type LD		Type LE		Type LF		Type LG		Type LH		Type LI		Type LJ		Type LK		Type LM		Type LN		Type LO		Type LP		Type LQ		Type LR		Type LS		Type LT		Type LU		Type LV		Type LW		Type LX		Type LY		Type LZ		Type MA		Type MB		Type MC		Type MD		Type ME		Type MF		Type MG		Type MH		Type MI		Type MJ		Type MK		Type ML		Type MM		Type MN		Type MO		Type MP		Type MQ		Type MR		Type MS		Type MT		Type MU		Type MV		Type MW		Type MX		Type MY		Type MZ		Type NA		Type NB		Type NC		Type ND		Type NE		Type NF		Type NG		Type NH		Type NI		Type NJ		Type NK		Type NL		Type NM		Type NN		Type NO		Type NP		Type NQ		Type NR		Type NS		Type NT		Type NU		Type NV		Type NW		Type NX		Type NY		Type NZ		Type OA		Type OB		Type OC		Type OD		Type OE		Type OF		Type OG		Type OH		Type OI		Type OJ		Type OK		Type OL		Type OM		Type ON		Type OO		Type OP		Type OQ		Type OR		Type OS		Type OT		Type OU		Type OV		Type OW		Type OX		Type OY		Type OZ		Type PA		Type PB		Type PC		Type PD		Type PE		Type PF		Type PG		Type PH		Type PI		Type PJ		Type PK		Type PL		Type PM		Type PN		Type PO		Type PP		Type PQ		Type PR		Type PS		Type PT		Type PU		Type PV		Type PW		Type PX		Type PY		Type PZ		Type QA		Type QB		Type QC		Type QD		Type QE		Type QF		Type QG		Type QH		Type QI		Type QJ		Type QK		Type QL		Type QM		Type QN		Type QO		Type QP		Type QQ		Type QR		Type QS		Type QT		Type QU		Type QV		Type QW		Type QX		Type QY		Type QZ		Type RA		Type RB		Type RC		Type RD		Type RE		Type RF		Type RG		Type RH		Type RI		Type RJ		Type RK		Type RL		Type RM		Type RN		Type RO		Type RP		Type RQ		Type RR		Type RS		Type RT		Type RU		Type RV		Type RW		Type RX		Type RY		Type RZ		Type SA		Type SB		Type SC		Type SD		Type SE		Type SF		Type SG		Type SH		Type SI		Type SJ		Type SK		Type SL		Type SM		Type SN		Type SO		Type SP		Type SQ		Type SR		Type SS		Type ST		Type SU		Type SV		Type SW		Type SX		Type SY		Type SZ		Type TA		Type TB		Type TC		Type TD		Type TE		Type TF		Type TG		Type TH		Type TI		Type TJ		Type TK		Type TL		Type TM		Type TN		Type TO		Type TP		Type TQ		Type TR		Type TS		Type TT		Type TU		Type TV		Type TW		Type TX		Type TY		Type TZ		Type UA		Type UB		Type UC		Type UD		Type UE		Type UF		Type UG		Type UH		Type UI		Type UJ		Type UK		Type UL		Type UM		Type UN		Type UO		Type UP		Type UQ		Type UR		Type US		Type UT		Type UY		Type UV		Type UW		Type UX		Type UY		Type UZ		Type VA		Type VB		Type VC		Type VD		Type VE		Type VF		Type VG		Type VH		Type VI		Type VJ		Type VK		Type VL		Type VM		Type VN		Type VO		Type VP		Type VQ		Type VR		Type VS		Type VT		Type VY		Type VV		Type VW		Type VX		Type VY		Type VZ		Type WA		Type WB		Type WC		Type WD		Type WE		Type WF		Type WG		Type WH		Type WI		Type WJ		Type WK		Type WL		Type WM		Type WN		Type WO		Type WP		Type WQ		Type WR		Type WS		Type WT		Type WY		Type WV		Type WW		Type WX		Type WY		Type WZ		Type XA		Type XB		Type XC		Type XD		Type XE		Type XF		Type XG		Type XH		Type XI		Type XJ		Type XK		Type XL		Type XM		Type XN		Type XO		Type XP		Type XQ		Type XR		Type XS		Type XT		Type XY		Type XZ		Type YA		Type YB		Type YC		Type YD		Type YE		Type YF		Type YG		Type YH		Type YI		Type YJ		Type YK		Type YL		Type YM		Type YN		Type YO		Type YP		Type YQ		Type YR		Type YS		Type YT		Type YU		Type YV		Type YW		Type YX		Type YY		Type YZ		Type ZA		Type ZB		Type ZC		Type ZD		Type ZE		Type ZF		Type ZG		Type ZH		Type ZI		Type ZJ		Type ZK		Type ZL		Type ZM		Type ZN		Type ZO		Type ZP		Type ZQ		Type ZR		Type ZS		Type ZT		Type ZU		Type ZV		Type ZW		Type ZX		Type ZY		Type ZZ		Type AA		Type AB		Type AC		Type AD		Type AE		Type AF		Type AG		Type AH		Type AI		Type AJ		Type AK		Type AL		Type AM		Type AN		Type AO		Type AP		Type AQ		Type AR		Type AS		Type AT		Type AU		Type AV		Type AW		Type AX		Type AY		Type AZ		Type BA		Type BB		Type BC		Type BD		Type BE		Type BF		Type BG		Type BH		Type BI		Type BJ		Type BK		Type BL		Type BM		Type BN		Type BO		Type BP		Type BQ		Type BR		Type BS		Type BT		Type BU		Type BV		Type BW		Type BX		Type BY		Type BZ		Type CA		Type CB		Type CC		Type CD		Type CE		Type CF		Type CG		Type CH		Type CI		Type CJ		Type CK		Type CL		Type CM		Type CN		Type CO		Type CP		Type CQ		Type CR		Type CS		Type CT		Type CU		Type CV		Type CW		Type CX		Type CY		Type CZ		Type DA		Type DB		Type DC		Type DD		Type DE		Type DF		Type DG		Type DH		Type DI		Type DJ		Type DK		Type DL		Type DM		Type DN		Type DO		Type DP		Type DQ		Type DR		Type DS		Type DT		Type DU		Type DV		Type DW		Type DX		Type DY		Type DZ		Type EA		Type EB		Type EC		Type ED		Type EE		Type EF		Type EG		Type EH		Type EI		Type EJ		Type EK		Type EL		Type EM		Type EN		Type EO		Type EP		Type EQ		Type ER		Type ES		Type ET		Type EU		Type EV		Type EW		Type EX		Type EY		Type EZ		Type FA		Type FB		Type FC		Type FD		Type FE		Type FF		Type FG		Type FH		Type FI		Type FJ		Type FK		Type FL		Type FM		Type FN		Type FO		Type FP		Type FQ		Type FR		Type FS		Type FT		Type FU		Type FV		Type FW		Type FX		Type FY		Type FZ		Type GA		Type GB		Type GC		Type GD		Type GE		Type GF		Type GG		Type GH		Type GI		Type GJ		Type GK		Type GL		Type GM		Type GN		Type GO		Type GP		Type GQ		Type GR		Type GS		Type GT		Type GU		Type GV		Type GW		Type GX		Type GY		Type GZ		Type HA		Type HB		Type HC		Type HD		Type HE		Type HF		Type HG		Type HH		Type HI		Type HJ		Type HK		Type HL		Type HM		Type HN		Type HO		Type HP		Type HQ		Type HR		Type HS		Type HT		Type HU		Type HV		Type HW		Type HX		Type HY		Type HZ		Type IA		Type IB		Type IC		Type ID		Type IE		Type IF		Type IG		Type IH		Type II		Type IJ		Type IK		Type IL		Type IM		Type IN		Type IO		Type IP		Type IQ		Type IR		Type IS		Type IT		Type IU		Type IV		Type IW		Type IX		Type IY		Type IZ		Type JA		Type JB		Type JC		Type JD		Type JE		Type JF		Type JG		Type JH		Type JI		Type JJ		Type JK		Type JL		Type JM		Type JN		Type JO		Type JP		Type JQ		Type JR		Type JS		Type JT		Type JU		Type JV		Type JW		Type JX		Type JY		Type JZ		Type KA		Type KB		Type KC		Type KD		Type KE		Type KF		Type KG		Type KH		Type KI		Type KJ		Type KK		Type KL		Type KM		Type KN		Type KO		Type KP		Type KQ		Type KR		Type KS		Type KT		Type KU		Type KV		Type KW		Type KX		Type KY		Type KZ		Type LA		Type LB		Type LC		Type LD		Type LE		Type LF		Type LG		Type LH		Type LI		Type LJ		Type LK		Type LM		Type 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[illegible][illegible]

V. 9. 28 TABLE 20 Contd.

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Actions by Others	
					Government	Private Sector
Proceed from the initiation of wage negotiations with Polar Gas following construction industry's four-stage of part time or full	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
Work with government, construction contractors and unions to develop a construction manpower delivery system	Small decrease	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
and apprenticeship programs on a sector basis	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
Polar Gas requirements for skilled operations and maintenance personnel	Small decrease	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
assist level businesses to bid on the provision of construction materials, supplies and services, particularly those materials suppliers and maintenance as well as during construction	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
Work with government, construction contractors and unions to develop a	Small decrease	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
to bid on the	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
Some	Medium decrease	Low to intermediate	Early operations and maintenance period	Intermediate	Some	Little

Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Actions by Others	
					Government	Private Sector
Proceed from the initiation of wage negotiations with Polar Gas following construction industry's four-stage of part time or full	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
Work with government, construction contractors and unions to develop a	Small to medium decrease	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
to bid on the	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Little	Little
Some	Medium decrease	Low to intermediate	Early operations and maintenance period	Intermediate	Some	Little

1 B-7 a TABLE 20 (cont.)

Case	Mod/Policy Addition Polar Gas Policy	Anticipated Effect in the Type B Mod and Community Contact Situation as a Result of Polar Gas Policies and Programs						Anticipated Effect in the Type C Mod and Community Contact Situation as a Result of Polar Gas Policies and Programs					
		Estimated Magnitude 1 = Small, 2 = Medium, 3 = Large	Level of Confidence 1 = High, 2 = Moderate, 3 = Low	Estimated Duration 1 = Short, 2 = Medium, 3 = Long	Level of Confidence 1 = High, 2 = Moderate, 3 = Low	Potential For Actions by Others		Estimated Magnitude of Action by Others	Level of Confidence Assigned to Estimate 1 = High, 2 = Moderate, 3 = Low	Estimated Duration of Anticipated Effect (Indefinite unless noted)	Level of Confidence Assigned to Estimate	Potential For Actions by Others	
						Government	Community					Government	Community
1	Work with government, communities, contractors and users to develop and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance	Small increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Little	Small to medium increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Little
2	Work with government, communities, contractors and users to develop and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance	Small increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Some
3	Work with government, communities, contractors and users to develop and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance	Small increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Some

A B 20 TABLE 20 (Contd.)

A 1676 TABLE 20 (Cont'd)

Y-B-7a TABLE 20 (cont.)

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs																	Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs																
Aspect of the Future Scenario without Polar Gas	Polar Gas Effect		Basis, Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Type B				Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Type C				Point of First Action by Others															
	Direction	Sources					Timing	Frequency	Timing	Frequency				Timing	Frequency	Government	Community																
Local Businesses																																	
Activity	Increase	Contracts with others as a result of increased purchases or expenditures required during	Assume local businesses involved in the provision of construction materials, supplies and services, particularly those materials, supplies or services that are required during operations and maintenance as well as construction	Small	Low	Early operations and maintenance period	Intermediate	Little to some	Long	Small	Intermediate	Early operations and maintenance period	Intermediate	Little to some	Little																		
Expenditure of Personnel	Increase	Pressure of maintaining a business during the post construction period employment requirements, particularly others elsewhere in the Study Region as a result of Polar Gas	Assume local businesses involved in the provision of construction materials, supplies and services, particularly those materials, supplies or services that are required during operations and maintenance as well as construction	Small	Low	Early operations and maintenance period	Intermediate	Little to some	Long	Small	Intermediate	Early operations and maintenance period	Intermediate	Little to some	Little																		
Staff	Increase	Employment opportunities with others elsewhere	None	Small	Intermediate	Early operations and maintenance period	Intermediate	Little to some	Long	Small increase	Intermediate	Early operations and maintenance period	Intermediate	Little to some	Little																		
Operating costs	No change to small increase	Wages required to recruit staff	None	Small increase	Low	Early operations and maintenance period	Intermediate	Little to some	Long	Small increase	Intermediate	Early operations and maintenance period	Intermediate	Little to some	Little																		
Income																																	
Wage Earnings from wage employment	Increase	Increase in employment locally elsewhere	Work with government, communities, organizations and unions to develop a construction manpower delivery system with particular emphasis being placed on the development and use of labour pools to enable the majority of wage employment during Polar Gas construction while at the same time retaining an involvement in resource development, thereby making contribution to the post construction employment system somewhat more difficult for those residents who do not find alternative part-time or full-time work with government, communities, organizations and unions to develop and implement construction period training and support (including persons with a skill commensurate with or larger than Polar Gas requirements for staff operations and maintenance personnel)	Small	Low	Early operations and maintenance period	Intermediate	Little to some	Long	Small to medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Little to some																		
Expenditure of Expenditure	Increase	Demand for handcrafts at Polar Gas Division Headquarters	Co-operative planning with government and communities	Small	Low	Early operations and maintenance period	Intermediate	Little to some	Long	Small increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Little																		

V-B-76 TABLE 21 (Cont'd)

V-B-76 TABLE 21 (Cont'd)		Anticipated Effect in the Type B Modified Commonly Contested Situation as a Result of Policy Gas Policies and Programs						Anticipated Effect in the Type C Modified Commonly Contested Situation as a Result of Policy Gas Policies and Programs					
		Estimated Magnitude of Anticipated Effect		Level of Confidence Assigned to Estimate		Estimated Duration of Anticipated Effect		Estimated Magnitude of Anticipated Effect		Level of Confidence Assigned to Estimate		Estimated Duration of Anticipated Effect	

Aspect of the Future Social Situation without Polar Gas	Anticipated Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs														
	Anticipated Effect			Base Modified or Additional Polar Gas Policy or Program			Estimated Magnitude of Anticipated Effect			Level of Confidence Assigned to Estimate			Estimated Duration of Anticipated Effect		
	Source	Base Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Community	Potential for Action by Others	Source	Base Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate
Transfer Payments to Residents	Payments to the Fund made while employed during Polar Gas	Make appropriate counseling services available to residents	Large	Intermediate to high	Early operations and maintenance period	High	Little	Little	Large	High	Early operations and maintenance period	High	Little	Little	Little
	Net increase	Work with government and community to develop and implement appropriate types and methods of migration from oil into sectors reviewing and modifying them where necessary, prior to operations and maintenance work with government	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium to large	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Some
Cost of Living	Length of time required before effect of higher income on wages and earnings are mitigated	None	Small to medium	Low to intermediate	Early operations and maintenance period	Intermediate	Little	Little	Little	Low	Early operations and maintenance period	Intermediate	Little	Little	Little
	Population of income saved	Each of opportunities to earn without income to save actual is positive of labor and banking credit will be made in a direct manner as a result of community increased demand for it by the savings accounts	Negligible to small increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Little	Some increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Little	Little
Availability of investment capital for local ventures	None	None	Small	Low to intermediate	Early operations and maintenance period	Intermediate	Some	Little	Some limited use	Low to intermediate	Early operations and maintenance period	Intermediate	Some	Little	Little
	None	None	Small	Low to intermediate	Early operations and maintenance period	Intermediate	Some	Little	Some limited use	Low to intermediate	Early operations and maintenance period	Intermediate	Some	Little	Little

A. B. TABLE 29 Cont'd

B-1 TABLE NO Cont'd

Anticipated Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs															Anticipated Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs														
Aspect of the Future Social Situation without Polar Gas	Potential Effect		Projected + Additional Polar Gas Policy in the Program	Estimated Magnitude of Anticipated Effect	Level of Confidence of Anticipated Effect	Estimated Duration of Anticipated Effect	Level of Confidence of Anticipated Effect	Potential For Actions by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence of Anticipated Effect	Estimated Duration of Anticipated Effect	Level of Confidence of Anticipated Effect	Potential For Actions by Others															
	Nature	Sources						Government	Communities					Government	Communities														
— Capital	Decrease	Lower demand for additional facilities	None	Small	Immediate	Early operations and maintenance period	Intermediate	Some	Little	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Little														
Cost of Energy	Possible decrease through reducing gas-related expenditures since energy costs are reduced in the South Region	Natural gas owned by utility but being transported via the Polar Gas pipeline	For the 10 years during construction of the Polar Gas supply, transit and/or distribution system, possible technical assistance from some governments and others interested in evaluating the technical and economic feasibility of extending and operating a gas supply to rail and/or distribution system to serve a	Not known	—	Entire operations and maintenance period	—	Considerable	Some to considerable	Not known	—	Entire operations and maintenance period	—	Considerable	Some to														
Income & Shortage of U.S. \$	No change to decrease	Decrease in migration of Inuit and other residents and communities seeking employment possibly some out migration by residents as a result of out-of-the-market employment elsewhere	None	Small decrease	Immediate	Early operations and maintenance period	Intermediate	Some	Little	Small decrease	Intermediate	Early operations and maintenance period	Intermediate	Some	Little														
Number of Occupants per unit	No change to decrease	Decrease in migration of Inuit and other residents and communities seeking employment possibly some out migration by residents as a result of out-of-the-market employment elsewhere	None	Small decrease	Immediate	Early operations and maintenance period	Intermediate	Some	Some	Small decrease	Intermediate	Early operations and maintenance period	Intermediate	Some	Some														
Dependability of Sewage Pickup and Water Delivery Services	No change to increase	Continuing need for health services expanded during construction	None	Small	Intermediate	Early operations and maintenance period	Intermediate	Little	Some	Small	Intermediate	Early operations and maintenance period	Intermediate	Little	Some														
Availability of Public Safety Services Locally	No change to increase	Continuing need for health services expanded during construction	None	Small to medium	Intermediate	Early operations and maintenance period	Intermediate	Considerable	Little	Medium	Intermediate	Early operations and maintenance period	Intermediate	—	—														
Availability of Public Safety Services Locally	No change	Reduced need for public safety services expanded during construction	None	—	—	—	—	—	—	—	—	—	—	—	—														
Volunteer Firemen	No change	None	Disposal of surplus equipment in the north	Small to medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Considerable	Small to medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Considerable														
Availability of Communications Services	No change to increase	Decreased demand for transportation services following construction and travel as a decrease in the frequency of high-to-certain, intermediate to the decrease in travel in a return to the preconstruction level of service	In a few separate Polar Gas communities, some requirements for out-of-the-market employment in the north	Small to medium increase	Intermediate	Early operations and maintenance period	Intermediate	Considerable	Little	Small to medium increase	Intermediate	Early operations and maintenance period	Intermediate	Considerable	Little														
— Availability of Transportation Services	No change	Decreased demand for transportation services following construction and travel as a decrease in the frequency of high-to-certain, intermediate to the decrease in travel in a return to the preconstruction level of service	None	Small to medium increase	Intermediate	Early operations and maintenance period	Intermediate	Considerable	Little	Small to medium increase	Intermediate	Early operations and maintenance period	Intermediate	Considerable	Little														

COMPARISON OF SOCIAL EFFECTS DURING EARLY OPERATIONS AND MAINTENANCE
CONSTRUCTION COMMUNITIES WHERE NATURE WORKS FOR POLAR GAS AFTER CONSTRUCTION
IN THE TYPE B AND TYPE C MODIFIED COMMUNITY CONTACT SITUATIONS

Anticipated Effects in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Anticipated Effects in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Potential For Action by Others														Potential For Action by Others		
Aspect of the Future Social Situation with Polar Gas	Extended Effect		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government		Community	
	Direct	Indirect					Considerable	Considerable					Considerable	Considerable		
General Social Situation	decreases	Changes in the social characteristics and social structure of the community as a result of the decreased employment opportunities locally and elsewhere following Polar Gas construction and the side effects	Medium	Intermediate	Early operations and maintenance period	Intermediate	Considerable	Considerable	Medium to large	Intermediate	Early operations and maintenance period	Intermediate	Considerable	Considerable	Considerable	
					</											

V-B-7A TABLE 21 (Cont'd)

		Anticipated Effect in the Type C Modified Continuum by Contract Situation as a Result of Policy On Policies and Programs										Potential For Actions by Others	
		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Community	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Some	Some to considerable
Large improvement in the quality of the environment	1	Small	Intermediate	Early operation and maintenance period and beyond	Intermediate	Some	Some to considerable	Small	Intermediate	Early operation and maintenance period and beyond	Intermediate	Some	Some to considerable
Small improvement in the quality of the environment	2	Small	Intermediate	Early operation and maintenance period and beyond	Intermediate	Some	Some	Small	Intermediate	Early operation and maintenance period and beyond	Intermediate	Some	Some

V-B 7.6 TABLE 21 (Cont.)

Anticipated Effect on the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs															Anticipated Effect on the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs				
Aspect of the Future Social Situation in Rural Polar Area	Potential Effect		Basic Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Actions by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	# Anticipated Effects	Level of Confidence Assigned to Estimate	Potential For Actions by Others					
	Number	Qualities						Some	Some					Some	Some				
Middle-aged men	Not increase	Increased motivation of adult children, reduction in work or work with less responsibility, increased participation in post-construction activities because of the equipment purchased or operated with employment obtained as a result of construction experience and/or training, competition to relocate, harvesting from the fact that better employment possibilities are available, increased competition for employment in the post-construction employment, increased competition for a reduced number of wage jobs, understanding of and ability to compete for wage employment because of employment opportunities in some construction or the loss of income harvesting opportunities because of Polar Gas construction operations and	Basic Modified or Additional Polar Gas Policy or Program	Small increase	Intermediate	Indefinite (see #1)	Intermediate	Some	Some	Small increase	Intermediate	Early operations and construction period of a few years	Intermediate	Some	Some				
Middle-aged women	Not change Barriers to rise	Increased motivation of adult children, reduction in work or work with less responsibility, increased participation in post-construction activities because of the equipment purchased or operated with employment obtained as a result of construction experience and/or training, competition to relocate, harvesting from the fact that better employment possibilities are available, increased competition for employment in the post-construction employment, increased competition for a reduced number of wage jobs, understanding of and ability to compete for wage employment because of employment opportunities in some construction or the loss of income harvesting opportunities because of Polar Gas construction operations and	Basic Modified or Additional Polar Gas Policy or Program	Small increase	Intermediate	Indefinite (see #1)	Intermediate	Some	Some	Small increase	Intermediate	Early operations and construction period of a few years	Intermediate	Some	Some				

V-B-16 TABLE 21C and D

Anticipated Effect on the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs										Anticipated Effects on the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs					
Basic Modified Addressed Polar Gas Policy or Program										Potential For Actions by Others					
Estimated Magnitude of Anticipated Effects										Estimated Magnitude of Anticipated Effects					
Level of Confidence Assigned to Estimate										Level of Confidence Assigned to Estimate					
Estimated Duration of Anticipated Effects										Estimated Duration of Anticipated Effects					
Level of Confidence Assigned to Estimate										Level of Confidence Assigned to Estimate					
Some										Some					
Some										Some					
Medium to large										Medium to large					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Medium										Medium					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					
Some										Some					
Some										Some					
Small										Small					
Intermediate										Intermediate					
Early operations and maintenance period and beyond										Early operations and maintenance period and beyond					

V.B.7a TABLE 21 Cont'd

Anticipated Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Problem and Program										Anticipated Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Problem and Program									
Aspect of the Future Social Situation without Polar Gas	Type B Modified Community Context Situation as a Result of Polar Gas Problem and Program		Basic Modified or Additional Operations and Maintenance Personnel	Estimated Magnitude of Anticipated Effect	Level of Confidence in Assessment	Estimated Duration of Anticipated Effect	Level of Confidence in Assessment	Potential For Actions by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence in Assessment	Estimated Duration of Anticipated Effect	Level of Confidence in Assessment	Potential For Actions by Others					
	Nature	Summary						Estimated Magnitude of Anticipated Effect	Level of Confidence in Assessment					Estimated Magnitude of Anticipated Effect	Level of Confidence in Assessment				
-Older teenage girls	Increase	Increased understanding of and ability to compete for wage employment because of employment and/or training during construction	Work with government, communities, contractors and unions to develop construction period training and apprenticeship programs on a scale commensurate with Polar Gas requirements for skilled operations and maintenance personnel	Small to medium	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some				
-Older men	No change to decrease	Increased competition for certain employment opportunities from local workers engaged in operations from Polar Gas construction	None	Small decrease	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Little	Small decrease	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Little				
-Women	Decrease	Increased competition for employment opportunities available	None	Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Little	Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Little				
-Families -low	Variable net decrease to net increase	Increased out migration of adult children resulting in limited number of wage employment opportunities, decreased ability of some family members to obtain and/or retain employment during Polar Gas construction; in addition, some over time may find it more difficult to maintain their desired lifestyle; as younger families obtain better equipment purchased or operated with revenue from jobs obtained as a result of construction and/or increasing competitive resources in some construction, loss of resources having employment because of Polar Gas construction operations and maintenance	Work with government, communities, contractors, unions, with particular emphasis being placed on the development and use of labor pools to enable the migration of interested residents to participate in construction employment while continuing to engage in resource harvesting activities; work with government, communities, contractors and unions to develop construction period training and apprenticeship programs on a scale commensurate with Polar Gas requirements for skilled operations and maintenance personnel; environmental resources generated in A-6 work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, resource harvesting and mobility of them where necessary prior to operations and maintenance	Small net decrease	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium net increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Little				

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs											
				Potential For Actions by Others		Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs					
Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Small increase	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Medium increase	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some
Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Little	Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Little
	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some

V-B-6 TABLE 31 (Contd.)

Abdya to Minatan an Existing Way of Life Individuals	Potential Effect	An anticipated Effect in the Type-B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs								Anticipated Effect in the Type-C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs					
		Potential For Access by Elders		Potential For Access by Youth		Potential For Access by Elders		Potential For Access by Youth		Potential For Access by Elders		Potential For Access by Youth		Potential For Access by Elders	
		Small	Intermediate	Small	Intermediate	Small	Intermediate	Small	Intermediate	Small to medium	Intermediate	Small to medium	Intermediate	Small	Some
Men	Not increase	Increased migration of adult children, relatives to work or seek employment from meat with less or equipment purchased or operated with income from construction employment obtained because of experience, and training during construction increased competition for the limited number of wage employment opportunities available locally or else where increased understanding of, and ability to compete for wage employment because of employment and/or training during construction in some communities, the loss of resource base employment opportunities because of Polar Gas construction, operations and maintenance	Work with government communities, contractors and unions to develop systems with particular emphasis being placed on the development and use of labour pools to enable the majority of interested northern residents to participate in construction employment while continuing to engage in resource harvesting activities, environmental measures prevented in V-A work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, reviewing and modifying them where necessary prior to operations and maintenance	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Small to medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Some
Women	No change to not increase	Increased migration of adult children, relatives to work or seek employment from meat with less or equipment purchased or operated with income from construction employment obtained because of experience, and training during construction increased competition for the limited number of wage employment opportunities available locally or else where increased understanding of, and ability to compete for wage employment because of employment and/or training during construction in some communities, the loss of resource base employment opportunities because of Polar Gas construction, operations and maintenance	Work with government communities, contractors and unions to develop a construction management system with particular emphasis being placed on the development and use of labour pools to enable the majority of interested northern residents to participate in construction employment while continuing to engage in resource harvesting activities, environmental measures prevented in V-A work with government, communities to develop and implement appropriate types and methods of mitigation prior to construction, reviewing and modifying them where necessary prior to operations and maintenance	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Small to medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Some
White residents	Decrease	Increased competition for certain types of employment from meat with less or equipment purchased or operated with income from construction employment obtained because of experience, and training during construction increased competition for the limited number of wage employment opportunities available locally or else where increased understanding of, and ability to compete for wage employment because of employment and/or training during construction in some communities, the loss of resource base employment opportunities because of Polar Gas construction, operations and maintenance	None	Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Little to some	Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Little to some
Women	Decrease	Increased competition for certain types of employment from meat with less or equipment purchased or operated with income from construction employment obtained because of experience, and training during construction increased competition for the limited number of wage employment opportunities available locally or else where increased understanding of, and ability to compete for wage employment because of employment and/or training during construction in some communities, the loss of resource base employment opportunities because of Polar Gas construction, operations and maintenance	None	Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Little to some	Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Little to some

Appropriated Effect in the Type II Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

Potential For
Arson by Dieters

a 76 TABLE 21 Cont'd.

VIB-7A TABLE 21 Contd.

Y-B-7-6 TABLE 21 Cont.

Aspect of the Future Social Situation without Polar Gas	Anticipated Effect	Source	Anticipated Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs					Anticipated Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs					Potential for Action by Policy	
			Basic Model Addressed by Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Action by Policy		
Women (housewives who did not work during construction)	No change to decrease	Rapidly decreasing of the economic, social and cultural changes in the community during construction and early operations and maintenance		Negligible	Intermediate	Early operations and maintenance period and beyond	Intermediate	Negligible	Intermediate	Early operations and maintenance period and beyond				
Women (non working housewives who worked during construction)	Not increase	Rapidly decreasing of the economic, social and cultural changes in the community during construction and early operations and maintenance increased understanding of and ability to compete for wage employment because of experience training during construction	Work with government, communities, contractors and unions to develop a construction management education system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during construction	Small	Intermediate	Early operations and maintenance period		Small		Early operations and maintenance period		Little	Little	
		Polar Gas camps and training locations during construction, increasing effects of increased expenditures on use of alcohol and illegal drugs as a result of the construction	making the transition to the post construction employment situation, residents who do not find a temporary or full time work situation											
		work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel work with government, communities to control alcohol and illegal drugs at Polar Gas facilities during construction	work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel work with government, communities to control alcohol and illegal drugs at Polar Gas facilities during construction	Medium	Intermediate	Early operations and maintenance period and beyond				Intermediate				
Women returning work who worked during construction	Not increase	Rapidly decreasing of the economic, social and cultural changes in the community during construction and early operations and maintenance, increased understanding of and ability to compete for wage employment because of experience training during construction	work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel work with government, communities to control alcohol and illegal drugs at Polar Gas facilities during construction	Medium	Intermediate	Early operations and maintenance period and beyond				Intermediate				
		work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel work with government, communities to control alcohol and illegal drugs at Polar Gas facilities during construction	work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel work with government, communities to control alcohol and illegal drugs at Polar Gas facilities during construction	Medium	Intermediate	Early operations and maintenance period and beyond				Intermediate				

V B 7a TABLE 21 (cont.)

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Butyl Gas Policies and Programs														Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Butyl Gas Policies and Programs													
Approximate Estimated Scale		Butyl Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government		Community		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government		Community										
Small	Large						Little	Little	Negligible	High					Little	Little	Small	Intermediate to high									
Small	Small	Butyl gas policy or program	Small	High	Early operations and maintenance period	Intermediate	Little	Little	Negligible	High	Negligible	High	Early operations and maintenance period and beyond	Intermediate	Little	Little	Little										
Medium	Medium	Butyl gas policy or program	Medium	High	Early operations and maintenance period	Intermediate	Little	Little	Negligible	High	Negligible	High	Early operations and maintenance period and beyond	Intermediate	Little	Little	Little										
Large	Large	Butyl gas policy or program	Large	High	Early operations and maintenance period	Intermediate	Little	Little	Small	Intermediate to high	Small	Intermediate to high	Early operations and maintenance period	Intermediate	Little	Little	Little										
Very Large	Very Large	Butyl gas policy or program	Very Large	High	Early operations and maintenance period	Intermediate	Some	Some	Medium	High	Medium	High	Early operations and maintenance period and beyond	Intermediate	Some	Some	Some										
Extremely Large	Extremely Large	Butyl gas policy or program	Extremely Large	High	Early operations and maintenance period	Intermediate	Some	Some	Medium to net increase	Intermediate	Medium to net increase	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Some										
Extremely Large	Extremely Large	Butyl gas policy or program	Extremely Large	High	Early operations and maintenance period	Intermediate	Some	Some	Medium to net increase	Intermediate	Medium to net increase	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Some										

TABLE 21 (Contd)

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Anticopied Effect in the Type C Mod. and Community Contact Site as a Result of Polarized Polymers and Protons

V-B-7a TABLE 21 (cont'd)

An Isolated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Potential For
Action by OthersPotential For
Action by Others

Aspect of the Future Social Situation without Polar Gas		Potential Effect		Estimated Magnitude of Anticipated Effect		Estimated Duration of Anticipated Effect		Level of Confidence Assigned to Estimate		Estimated Magnitude of Anticipated Effect		Level of Confidence Assigned to Estimate		Estimated Duration of Anticipated Effect		Level of Confidence Assigned to Estimate		Estimated Magnitude of Anticipated Effect		Level of Confidence Assigned to Estimate		Estimated Duration of Anticipated Effect		Level of Confidence Assigned to Estimate	
—Entire community		Nature	Source	Issue Modified or A.M. Small Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Governments	Communities	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Governments	Communities	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Governments	Communities			
		Decrease	Changes in the class structure of the population particularly the least population	Environmental measures presented in A-6-6 work with government, communities to develop and implement appropriate types and methods of operations prior to maintenance, reviewing and modifying them where necessary prior to operations and maintenance work with government, communities, contractors and unions	Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Little	Little	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Little	Little	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Little	Little			
				delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas construction while at the same time retaining an involvement in resource harvesting, thereby making the transition somewhat less difficult for those residents who do not find alternative part-time or full-time work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel																					
—Ability to maintain the existing decision influencing and political power balance among Inuit residents		Decrease	Continuing effects of employment, training and local business opportunities	Work with government, communities, contractors and unions to develop a construction management delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas construction while at the same time retaining an involvement in resource harvesting, thereby making the transition to the post-construction employment situation somewhat less difficult for those residents who do not find alternative part-time or full-time work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel	Small	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Little	Little	Small to medium	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Little	Little	Small to medium	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Little	Little			
—White residents		No change to decrease	Few changes would occur during early operations and maintenance	None	Negligible	High	Early operations and maintenance period and beyond	Intermediate	Little	Little	Negligible	High	Early operations and maintenance period and beyond	Intermediate	Little	Little	Negligible	High	Early operations and maintenance period and beyond	Intermediate	Little	Little			
—Entire community		Decrease	Continuing effects of employment, training and local business opportunities with Polar Gas migration at the end of construction or decommissioning	Work with government, communities, contractors and unions to develop a construction management delivery system with particular emphasis being placed on the development and use of labour pools to enable the majority of interested residents to participate in construction employment while continuing to engage in resource harvesting activities, work with government, communities, contractors and unions to develop	Small decrease	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Little	Little	Small to medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Little	Little	Small to medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Little	Little			

V-B-76 TABLE 21 Cont'd.

Anticipated Effect in the Type B Modified Community Control Situation as a Result of Polar Gas Policies and Programs

Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others	
				Government	Enterprises
High	High	Early operations and maintenance period	Intermediate	Considerable	Considerable
Intermediate to high	Intermediate to high	Early operations and maintenance period	Intermediate	Considerable	Considerable
Low to intermediate	Low to intermediate	Early operations and maintenance period	Intermediate	Some	Some

Anticipated Effect in the Type C Modified Community Control Situation as a Result of Polar Gas Policies and Programs

Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others	
				Government	Enterprises
Negligible to small increase	Low to intermediate	Early operations and maintenance period	Intermediate	Considerable	Considerable
Large	Intermediate to high	Early operations and maintenance period	Intermediate	Considerable	Considerable
Small to medium decrease	Intermediate	Early operations and maintenance period	Intermediate	Some	Some

V-076 TABLE 21 (Cont'd)

Aspects of the Future Social Situation without Polar Gas	Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs										Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs						
	Potential For Action by Others		Nature	Sources	Basic Modified Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assessed to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assessed to Estimate	Potential For Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assessed to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assessed to Estimate	Potential For Action by Others	
	Comments	Comments								Comments	Comments						
Side Effects of the Changing Social Characteristics, Community Social Structure and Local Decision-making Capabilities Particularly as a Result of Attempts by Individuals or Families to Make an Existing Way of Life or to Participate in Adapt to a New Way of Life																	
Indications of the health and behaviour of individuals																	
Rate of store bought food in country food in diet	Increase			Loss of resource harvesting opportunities as a result of Polar Gas construction operations and maintenance activities; temporary closure of existing during the construction period as a result of increased disposable cash incomes, timing and duration of employment activities as a result of training and experience during Polar Gas construction	Environmental measures presented in V-076 work with government committees to develop and implement appropriate types and methods of environmental monitoring, reviewing and modifying when necessary; work with government committees contractors and unions to develop a particular emphasis being placed on the majority of interested residents to participate in wage employment during Polar Gas construction while at the same time retaining an involvement in resource harvesting thereby making the transition to the post-construction employment situation somewhat less difficult for those residents who do not find alternative part-time or full-time work	Small	Low to intermediate	Early operations and maintenance period	Immediate	Little	Some	Medium	Low to intermediate	Early operations and maintenance period	Intermediate	Little	Some
Incidence of non-verbal communicable diseases (tuberculosis, hepatitis, etc.)	Increase			Contacts with a larger number of modern, non-verbal communicable diseases, which are employed or working for employment elsewhere in the Study Region	Work with government, community contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Little	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Little
Use of alcohol	Increase			Continuing effects of increased exposure to alcohol at Polar Gas camps and training locations during construction period of adapting to the post-construction employment and cash income situation, particularly after successfully completing a training course during construction and then experiencing difficulties during early operations and maintenance in obtaining wage employment	Work with government, community contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with, or larger than Polar Gas requirements for all, including those and maintenance personnel work with government, community contractors and unions to develop a construction manpower delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas construction while at the same time retaining an involvement in resource harvesting thereby making the transition somewhat less difficult for those residents who do not find alternative part-time or full-time work	Small to medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Considerable	Medium	Immediate	Early operations and maintenance period	Intermediate	Some	Considerable

V-B 76 TABLE 21 Cont'd

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others	
				Government	Continuation					Government	Continuation
Small to medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Considerable	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Considerable
Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Some
Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Some

V-B-76 TABLE 21 (Cont'd)

Anticipated Effect in the Type B Model Common to Contact Situations as a Result of Polar Gas Policies and Programs															Anticipated Effect in the Type C Model Common to Contact Situations as a Result of Polar Gas Policies and Programs														
Aspect of the Future Social Situation without Polar Gas	Potential Effect		Basic Model or Additional Polar Gas Policy or Program	Degree of Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential of Actions by Others		Degree of Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential of Actions by Others															
	Nature	Sources						Government	Communities					Government	Communities														
—Incidence of venereal diseases	Increase	Continuing effects of increased contacts with other Inuit and non-Inuit during construction; increased use of alcohol and illegal drugs for reasons noted above	Relief of some residents in southern Canada during construction, work in government, contribution to develop and implement a construction manpower delivery system so as to reduce or in great measure, seeking work in communities close to the zone	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Some														
—Incidence of pregnancy among unmarried women	No change to increase	Increased contact with whites, other Inuit who is seeking work, consuming effects of increased use of alcohol and illegal drugs during construction	Alcohol and illegal drug policies as noted above	Small increase	Intermediate	Early operations and maintenance period	Intermediate	Little	Some	Medium	Intermediate	Early operations and maintenance period	Intermediate	Little															
—Incidence of school dropouts among older teenage residents	No change to small increase	Continuing difficulty in obtaining wage employment, social contacts in the community	None	Small increase	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Small	Intermediate	Early operations and maintenance period	Intermediate	Some															
—Incidence of suicide	Increase	Difficulties in maintaining an existing way of life or participating in and adjusting to a new way of life	Environmental measures presented in V-A-6, work with government, communities to develop and implement appropriate types and methods of migration prior to construction, reviewing and modifying them where necessary prior to operations and maintenance work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel; work with government, communities, contractors and unions to develop a construction manpower delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas construction while at the same time retaining the involvement of resource harvesters thereby making the transition to the post-construction employment situation somewhat less difficult for those residents who do not find it desirable past time of full-time work; work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel; work with government, communities, contractors and unions to develop a construction manpower delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Small	Intermediate	Early operations and maintenance period	Intermediate	Some															
—Incidence of the behaviour of individuals towards others																													
—Incidence of infant mortality	Increase	Continuing effects of increased exposure to alcohol, illegal drugs at Polar Gas camps and increasing contacts during construction; continuing effects of increased exposure to and use of alcohol and drugs, drugs as a result of the increased disposable cash income during construction; increase of exposure to the limited number of employment opportunities	Work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel; work with government, communities, contractors and unions to develop a construction manpower delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some															

Y.B. TABLE II. Cont'd.																									
Aspect of the Future Social Situation without Polar Gas		Potential Effects		Anticipated Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs						Anticipated Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs															
				Start, Method or Additions Polar Gas Policy or Program		Estimated Magnitude of Anticipated Effect		Level of Confidence Assigned to Estimate		Estimated Duration of Anticipated Effect		Level of Confidence Assigned to Estimate		Potential For Actions by Others		Estimated Magnitude of Anticipated Effect		Level of Confidence Assigned to Estimate		Estimated Duration of Anticipated Effect		Level of Confidence Assigned to Estimate		Potential For Actions by Others	
Incidence of employment opportunities in the alcohol sector	Continuing effects of increased exposure to alcohol, illegal drugs at Polar Gas camps and training locations during construction resulting effects of increased expenditures on and use of alcohol and illegal drugs as a result of the increased disposable cash income during construction stresses of adjusting to the limited number of employment opportunities	Work with government, communities contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas' requirements for skilled operations and maintenance personnel; work with government, communities, contractors and unions to develop a reintegration support/delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas' construction while at the same time retaining an involvement in resource harvesting thereby making the transition to the post-construction environment somewhat less difficult for those residents who do not find alternative part time or full-time work; work with government communities to control alcohol and illegal drugs at Polar Gas facilities	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Some											
Incidence of interrupted wage or wage	Continuing effects of increased exposure to alcohol, illegal drugs at Polar Gas camps and training locations during construction resulting effects of increased expenditures on and use of alcohol and illegal drugs as a result of the increased disposable cash income during construction stresses of adjusting to the limited number of employment opportunities	Work with government, communities contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas' requirements for skilled operations and maintenance personnel; work with government, communities, contractors and unions to develop a reintegration support/delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas' construction while at the same time retaining an involvement in resource harvesting thereby making the transition to the post-construction environment somewhat less difficult for those residents who do not find alternative part time or full-time work; work with government, communities to control alcohol and illegal drugs at Polar Gas facilities	Small	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Some											

V. B. 70 TABLE 2. Cont'd.

**TABLE 10
COMPARISON OF CULTURAL EFFECTS DURING OPERATIONS AND MAINTENANCE COMMON
TO COMMUNITIES WHERE NO OTHER WORKS FOR POLAR GAS AFTER CONSTRUCTION
IN THE TYPE B AND C MODIFIED COMMUNITY CONTACT SITUATIONS**

Anticipated Effect in the Type B Modified Community Contact Situation As a Result of Polar Gas Policies and Programs															Anticipated Effect in the Type C Modified Community Contact Situation As a Result of Polar Gas Policies and Programs			
Aspect of the Future Cultural Situation without Polar Gas	Potential Effect		Basic Modified or Additional Policy	Estimated Magnitude	Level of Confidence	Estimated Duration	Level of Confidence	Potential For Actions by Others		Estimated Magnitude	Level of Confidence	Estimated Duration	Level of Confidence	Potential For Actions by Others				
	Nature	Source						None	Some					None	Some			
General ability of host to significantly influence the character and evolution of that culture	Uncertain with varying availability of alternative employment, particularly local	Location of Polar Gas facilities relative to community	Cooperation with planning with government and community resources to operations and maintenance, violation and separation of Division Headquarters facilities from construction	Small decrease to medium increase	Low to intermediate	Variable - Small decrease would be confined largely to early operations and maintenance period in communities where alternative part time or full time employment was not available; medium increase could be for a much longer period in communities where sufficient employment, particularly full time skilled employment positions, was available	Low to intermediate	Considerable	Some	Medium decrease to large increase	Low to intermediate	Variable - medium would be confined largely to early operations and maintenance period in communities where alternative employment was not available; large increase could be for a much longer period in communities where sufficient employment, particularly full time skilled employment positions, was available	Low to intermediate	None	Some			
Areas of individual responsibility to community in recovery of Polar Gas facilities	Seasonal or permanent loss	Location of Polar Gas permanent facilities, activities	Environmental measures presented in V.A.A. work with government, community is to develop appropriate types and methods of mitigation prior to construction, reviewing and modifying them, where necessary, prior to operations and maintenance	Negligible to small depending on location of community	Intermediate	Operations and maintenance period	Intermediate	Some	Some	Negligible to small depending on location of community	Intermediate	Operations and maintenance period	Intermediate	Some	Some			
		Location of Polar Gas operations and maintenance facilities, activities	Environmental measures presented in V.A.A. work with government, community is to develop appropriate types and methods of mitigation prior to construction, reviewing and modifying them, where necessary, prior to operations and maintenance	Negligible to small depending on location of community	Low to intermediate	Operations and maintenance period	Intermediate	Some	Some	Negligible to small depending on location of community	Low to intermediate	Operations and maintenance period	Intermediate	Some	Some			
High reliance for cultural expression through resource	Decrease	Timing of Polar Gas operations and maintenance activities	Employment schedule implemented by other employers															

TABLE 23
COMPARISON OF ECONOMIC EFFECTS COMMON TO COMMUNITIES HAVING
RESIDENTS EMPLOYED IN POLAR GAS OPERATIONS AND VARIOUSANCE IN THE
TYPE B AND TYPE C MODIFIED COMMUNITY CONTACT SITUATIONS

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs														Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs													
Aspect of the Future Economic Situation without Polar Gas	Potential Effect		Basic Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others													
	Source	Source						Government	Communities					Government	Communities												
General: Construction of the dual economy based on resource harvesting and wage employment supported by transfer payments and supported by development projects	Disruption of the dual economy during operations and maintenance	Derives from the qualifications and experience necessary to obtain certain operations and maintenance positions with	Work with government, communities and contractors to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel	Small	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some	Small to medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some												
		Derives from the timing, duration of employment opportunities with Polar Gas during operations and maintenance	Work with government and communities to develop and implement an appropriate national employment schedule, work with government, communities, and businesses to develop and implement the transportation system required to facilitate the																								
		Derives from Polar Gas effects on resource harvesting opportunities during construction, operations and maintenance	Measures to protect fish and game populations and to avoid or reduce as presented in 5.4.4, work with government and communities to develop and implement appropriate types and methods of mitigation prior to construction, resource saving and managing them where necessary prior to operations and maintenance																								
		Indirectly from the limited number of communities or elsewhere	Avoid local businesses to become the suppliers and services, particularly those materials, supplies and services likely to be required during operations and maintenance as well as during construction, work with government, communities, contractors and others to develop a new efficient transport delivery system with particular emphasis being placed on the development and use of labor pools to enable the maximum of in-remote residents to participate in wage employment during Polar Gas activities as they will be able to																								
			harvesting, thereby making the transition to the post-construction employment situation who do not find a lucrative part-time or full-time work																								
		Derives from the qualifications and experience necessary to obtain certain operations and maintenance positions with others in the community or elsewhere	Work with government, communities and contractors to develop and implement construction period training and apprenticeship programs																								
			Polar Gas requirements for skilled operations and maintenance personnel																								
		Derives from the timing, duration of the employment opportunities available with others in the community or elsewhere	N/A																								

V-B-7a TABLE 23 (cont.)

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Follow-up Program

Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Actions by Others <i>(if not anticipated)</i>	
Small to medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some

Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Follow-up Program

Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Some	Some
Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some

Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
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Anticipated Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs

Anticipated Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs

Aspect of the Future Social Situation without Polar Gas	Polarized Effect		Base Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence A = high, B = medium, C = low	Estimated Duration A = short, B = medium, C = long	Level of Confidence A = high, B = medium, C = low	Forecast for Actions by Others		Estimated Magnitude A = small, B = medium, C = large	Level of Confidence A = high, B = medium, C = low	Estimated Duration of Anticipated Effect	Level of Confidence A = high, B = medium, C = low	Forecast for Actions by Others	
	Nature	Sources						Government	Community					Government	Community
Participation in the labour force by adult men	No change to increase	Number of government staff located in communities could remain stable during reconstruction or could increase, depending on the number of government staff in the communities involved. Permanent employment. Number of whom employed by the local business sector expands during operations and maintenance.	Cooperative planning with government.	Small increase.	Intermediate.	Early operations and maintenance period.	Intermediate.	Considerable.	Some.	Small increase.	Intermediate.	Early operations and maintenance period.	Intermediate.	Some.	Some.
Transients	Increase.	Not expected availability of employment opportunities with Polar Gas local businesses and government. An expected availability of employment opportunities with others. Anticipated availability of others.	Work with government, communities to develop an acceptable definition of the term "transient" based on residents in northern Canada.	Small.	Intermediate.	Early operations and maintenance period.	Intermediate to high.	Some.	Some.	Medium.	Intermediate.	Early operations and maintenance period.	Intermediate.	Some.	Some.
Labour force Participation in the labour force by adult men	Increase.	Job opportunities available with Polar Gas or others during operations and maintenance period likely to compete for job opportunities available, difficult to obtain training in skills from the community.	Work with government, communities, contractors and unions to develop and implement construction period training and apprenticeship programs on a wide community-wide basis to meet Polar Gas requirements for skilled personnel during the initial series of operations and maintenance. Continue those programs on an appropriate scale during operations and maintenance. Assist local businesses to bid on the provision of construction materials, supplies and services, particularly, have materials and supplies or services likely to be required during operations and maintenance as well as during construction.	Small.	Intermediate.	Early operations and maintenance period.	Intermediate.	Little.	Some.	Medium to large.	Intermediate.	Early operations and maintenance period.	Intermediate.	Some.	Some.
Participation in the labour force by adult women	Increase.	Job opportunities available with Polar Gas or others during operations and maintenance period likely to compete for job opportunities available, difficult to obtain training in skills from the community.	Work with government, contractors, contractors and unions to develop and implement construction period training and apprenticeship programs on a wide community-wide basis to meet Polar Gas requirements for skilled personnel during the initial series of operations and maintenance. Continue those programs on an appropriate scale during operations and maintenance. Assist local businesses to bid on the provision of construction materials, supplies and services, particularly, have materials and services likely to be required during	Medium.	Intermediate.	Early operations and maintenance period.	Intermediate.	Little.	Some.	Medium to large.	Intermediate.	Early operations and maintenance period.	Intermediate.	Little.	Some.

TABLE 23 (Cont'd)

TABLE 23 (cont.)

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Anticipated Effect in the Type B Model, and Common to Contexts, as well as a Result of Polar Gas Policies and Programs						Anticipated Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs					
	Nature	Sources	Direction and Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Frequency and Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Action by Government		Direction and Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Frequency and Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Action by Government	
							Some	Some					Some	Some
Number of jobs obtained by residents in community														
Male adult labor	Increase	Opportunities for employment with local businesses, government, and experience	Assess local businesses to bid on the provision of construction materials, supplies and services, particularly those likely to be required during operations and maintenance as well as construction work with government common law contractors and citizens to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled personnel during the initial year of operations and maintenance, continue the training programs on an appropriate scale during operations and maintenance	Medium	Early operations and maintenance period	Intermediate	Some	Some	Medium to large	Early operations and maintenance period	Intermediate	Some	Some	
Female adult labor	Increase	Opportunities for employment with local businesses, government, and experience	Assess local businesses to bid on the provision of construction materials, supplies and services, particularly those likely to be required during operations and maintenance as well as construction work with government common law contractors and citizens to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled personnel during the initial year of operations and maintenance, continue the training programs on an appropriate scale during operations and maintenance	Medium to large	Early operations and maintenance period	Intermediate	Some	Some	Medium to large	Early operations and maintenance period	Intermediate	Some	Some	
Male law students	Increase	Opportunities for employment with local businesses, government, and experience	Assess local businesses to bid on the provision of construction materials, supplies and services, particularly those likely to be required during operations and maintenance as well as construction work with government common law contractors and citizens to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled personnel during the initial year of operations and maintenance, continue the training programs on an appropriate scale during operations and maintenance	Small	Intermediate	Early operations and maintenance period	Some	Some	Medium to large	Early operations and maintenance period	Intermediate	Some	Some	
Female law students	Increase	Opportunities for employment with local businesses, government, and experience	Assess local businesses to bid on the provision of construction materials, supplies and services, particularly those likely to be required during operations and maintenance as well as construction work with government common law contractors and citizens to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled personnel during the initial year of operations and maintenance, continue the training programs on an appropriate scale during operations and maintenance	Medium	Intermediate	Early operations and maintenance period	Some	Some	Medium to large	Early operations and maintenance period	Intermediate	Some	Some	

Table 23 (cont.)

Aspect of the Future Social Situation without Polar Gas	Anticipated Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs										Anticipated Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs					
	External Effect		Basic Model or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Actions by Others		Level of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Actions by Others		
	Nature	Sources						Government	Community					Government	Community	
Harvest of country food for domestic use or for local sale	Could remain the same or increase	Could decrease because of Polar Gas effects on resource harvesting - Could be the same or increase if regulations implemented by the community. - Could remain the same because income earned through wage employment with Polar Gas during operation and maintenance is available to purchase better equipment. - In addition, a better resource harvesting area could remain the same because families of those employed with Polar Gas may provide a ready local market for the sale of resource harvest products.	Even, overall program described in A-1-A-1, work with government and community to develop types and methods of that program prior to event so not requiring and not shifting them where appropriate prior to operations and maintenance, work with government and community to develop and implement an appropriate local employment schedule, work with government to implement the transportation and engineering necessary to facilitate the solution of employment of residents, work with government to develop a constitution, management delivery system with particular emphasis being placed on the development and use of labor products to enable the majority of increased residents to participate in wage employment during Polar Gas construction while at the same time.	Medium	Intermediate	Enter operations and maintenance period	Intermediate	Some	Some	Medium	Immediate	Enter operations and maintenance period	Intermediate	Some	Some	
Harvest of fish or fur for export from the community	No change or slight increase	Could decrease because of Polar Gas effects on resource harvesting opportunities. Could be the same or increase because income earned through wage employment is available to purchase better equipment and to charter aircraft to get to new harvesting areas. Could remain the same because families of those employed with Polar Gas may provide a ready local market for the sale of resource harvest.	Even, overall program described in A-1-A-1, work with government and community to develop appropriate types and methods of that program prior to event so not requiring and not shifting them where appropriate prior to operations and maintenance, work with government to develop a constitution, management delivery system with particular emphasis being placed on the development and use of labor products to enable the majority of increased residents to participate in wage employment during Polar Gas construction while at the same time.	Small	Low	Enter operations and maintenance period	Low	Some	Some	Small	Low	Enter operations and maintenance period	Low	Some	Some	
Local Businesses	Businesses may expand or contract depending on the results of Polar Gas operations and maintenance	Could decrease because of Polar Gas effects on resource harvesting opportunities. Could be the same or increase because income earned through wage employment is available to purchase better equipment and to charter aircraft to get to new harvesting areas. Could remain the same because families of those employed with Polar Gas may provide a ready local market for the sale of resource harvest.	Even, overall program described in A-1-A-1, work with government and community to develop appropriate types and methods of that program prior to event so not requiring and not shifting them where appropriate prior to operations and maintenance, work with government to develop a constitution, management delivery system with particular emphasis being placed on the development and use of labor products to enable the majority of increased residents to participate in wage employment during Polar Gas construction while at the same time.	Small to medium	Intermediate	Enter operations and maintenance period	High	Some	Some	Medium	Intermediate	Enter operations and maintenance period	High	Some	Some	
Turnover of Personnel Management	Increase	As with local businesses, but on the part of contractors, major the police and services, particularly those materials, supplies, services, etc. to be required during operations and maintenance as well as during construction.	Even, overall program described in A-1-A-1, work with government and community to develop appropriate types and methods of that program prior to event so not requiring and not shifting them where appropriate prior to operations and maintenance, work with government to develop a constitution, management delivery system with particular emphasis being placed on the development and use of labor products to enable the majority of increased residents to participate in wage employment during Polar Gas construction while at the same time.	Small to medium	Intermediate	Enter operations and maintenance period	Intermediate	Some	Some	Small to medium	Low to intermediate	Enter operations and maintenance period	Intermediate	Some	Some	

[illegible]

ANNEX 7a TABLE 23 (Cont.)

Aspect of the Future Social Situation without Polar Gas	Nature	Sources	Anticipated Effect on the Type B Mid-sized Community Contact Situation as a Result of Polar Gas Policies and Programs						Anticipated Effect on the Type C Mid-sized Community Contact Situation as a Result of Polar Gas Policies and Programs					
			Estimated Magnitude	Level of Confidence	Estimated Duration	Level of Confidence	Potential for		Estimated Magnitude	Level of Confidence	Estimated Duration	Level of Confidence	Potential for	
From sale of land rights		Demand for land rights by Polar Gas employees, others employed by businesses, government as a result of Polar Gas operations and maintenance are all likely to increase because of public in a secured with Polar Gas contract on operations and maintenance	Work with government, community and other stakeholders to develop a system for the sale of land rights and marketing of high-quality land rights along transportation corridors for the sale of land rights	Medium to small	Low to intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium	Low to intermediate	Early operations and maintenance period	Intermediate	Some
Benefit Harvesting Earnings	Could decrease or increase	Could decrease through loss of result of Polar Gas construction operations and maintenance, or could increase through loss of time harvesting because of the timing and duration of employment with Polar Gas could increase because the market for land rights created by the employment by Polar Gas is likely as a result of Polar Gas construction operations and maintenance could support more harvesters and could increase because of the equipment purchased with the income from employment with Polar Gas is likely	For a small number of businesses, work with government, community and other stakeholders to develop and implement the transportation arrangements necessary to facilitate the movement of employment of residents and local businesses to land on the previous or current materials, supply or services likely to be required	Negligible to small	Intermediate	Early operations and maintenance period	Intermediate	Low to intermediate	Low to intermediate	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Some
Impact income from harvest	Could decrease or increase	Could decrease through loss of result of Polar Gas construction operations and maintenance, or could increase through loss of time harvesting because of the timing and duration of employment with Polar Gas could increase because the market for land rights created by the employment by Polar Gas is likely as a result of Polar Gas construction operations and maintenance could support more harvesters and could increase because of the equipment purchased with the income from employment with Polar Gas is likely	For a small number of businesses, work with government, community and other stakeholders to develop and implement the transportation arrangements necessary to facilitate the movement of employment of residents and local businesses to land on the previous or current materials, supply or services likely to be required during operations	Negligible to small	Intermediate	Early operations and maintenance period	Intermediate	Low to intermediate	Low to intermediate	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Some
Transfer Payments	Increase	Transfer of land rights to the large number of jobs available in the post-construction period as a result of Polar Gas construction operations and maintenance	Small	Low to intermediate	Early operations and maintenance period	Intermediate	Some	Low to intermediate	Small to medium	Low to intermediate	Early operations and maintenance period	Intermediate	Some	

V-R-6 TABLE 22 (Cont.)

Type of Policy Community	Number of Communities	Type of Community	Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs				Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs				Potential For Actions by Others	
			Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Actions by Others	
											Government	Community
Non-organized	1	1	Small	Intermediate	Late operations and maintenance period	Intermediate	Small to medium	Intermediate	Early operations and maintenance period and on occasion during the operations and maintenance period	Intermediate	Some	Little
Organized	1	1	Small to medium	Intermediate	Early operations and maintenance period	Intermediate	Medium to large	Intermediate	Early operations and maintenance period	Intermediate	Some	Little

D-76 TABLE 27C

Aspects of the Future Social Situation without Polar Gas	Potential Effects		Assessment Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs								Assessment Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs					
	Nature	Sources	Is it Anticipated or Addressed by Polar Gas Policies or Programs?	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Level of Confidence Assigned to Estimate		Form of the Anticipated Effect		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Form of the Anticipated Effect		
						Government	Contributors	Government	Contributors					Government	Contributors	
Savings and Investments —Production of income + 1	No change to small increase	Absence of local banking or credit services; many firms with the use of savings accounts	Work with government, community contractors and agencies to develop and implement apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled personnel using the mutual views of operators and maintenance; continue the training programs on an appropriate scale during operations and maintenance; small local bus services to be used as the provision of construction materials, supplies and services, particularly those materials, supplies or services likely to be required during operations and maintenance as well as during construction; expand range of services with financial planning available to employees; work with communities and decentralized agencies to increase local banking services	Small to medium	Intermediate	Enter operations and maintenance period	Intermediate	Some	Some	Medium	Low to intermediate	Enter operations and maintenance period	Intermediate	Some	Some	
Availability of Investment Capital Locally	No change to small increase	Absence of local banking or credit services; many firms with the use of savings accounts	Work with government, community and financial agencies to increase the availability of banking credit to businesses in the Study Region	Small to medium	Low to intermediate	Enter operations and maintenance period	Intermediate	Some	Some	Medium	Low to intermediate	Enter operations and maintenance period	Intermediate	Some	Some	

Intimacy Contact Situation as a Result of Police Civil Policies and Programs

B-76 TABLE 23 (Cont.)

Aspect of the Future Social Situation without Polar Gas	Type C Effect		Anticipated Effect on the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs						Anticipated Effect on the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs						Future Effect Scenario by Others	
	Nature	Source	Basic, Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Level of Anticipated Effect	Level of Confidence Assigned to Estimate	Comments	Level of Anticipated Effect	Level of Confidence Assigned to Estimate	Level of Anticipated Effect	Level of Confidence Assigned to Estimate	Comments	Level of Confidence Assigned to Estimate	Comments	Comments
—Capital	Increase	See General Level of Activity	Cooperative planning with government and communities prior to construction	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Low	Early operations and maintenance period	Intermediate	Some	Some	Some	Some
—Cost of Energy	Possible decrease (cheaper, reducing government energy costs are subdivided in the Study Region)	Natural gas powered by others but being transported via the Polar Gas pipeline	Level 1 block valves during construction to facilitate gas supply, altered and/or for other uses. Possible technical assistance to or from governments and others is needed as well as long-term technical and economic feasibility of constructing and operating a gas supply facility and an distribution system to serve a community	Small	Low	Early operations and maintenance period	Intermediate	Some	Some	Low	Early operations and maintenance period	Intermediate	Some	Some	Some	Some
Housing Shortage of Units	Increase	In migration of Inuit and white residents and transient working employment with Polar Gas or others, demand for separate housing by young Inuit formerly unemployed and living with their family, increased demand for better quality housing by Inuit employed by Polar Gas or others as a result of Polar Gas	Early and continuing publicity across Canada about Polar Gas policy of housing non-residents only in southern Canada. Inuit and non-Inuit communities work with their own governments to develop and implement arrangements in their own Study Regions coordinated between the home community and Polar Gas facilities. Cooperative planning with governments and communities to reduce and eliminate housing shortages	Medium	Intermediate	Early operations and maintenance period	Intermediate	Medium to large	Medium to large	Low to medium	Early operations and maintenance period	Intermediate	Some	Some	Some	Some
Number of Occupants per unit	Increase	In migration of Inuit and white residents and transient working employment with Polar Gas or others	Early and continuing publicity across Canada about Polar Gas policy of housing non-residents only in southern Canada. Housing of northern residents in accelerated construction, work with governments, communities and businesses to reduce housing shortages	Medium	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Medium	Early operations and maintenance period	Intermediate	Some	Some	Some	Some
Dependability of Sewage Pickup and Water Delivery Services	Decrease	Staff turnover because of employment opportunities with Polar Gas or others as a result of Polar Gas operations and maintenance	Cooperative planning with government and communities prior to operations and maintenance	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Low	Early operations and maintenance period	Intermediate	Some	Some	Some	Some
—Availability of Health Services Locally	Decrease	Staff turnover because of employment opportunities with Polar Gas or others as a result of Polar Gas operations and maintenance	Cooperative planning with governments and communities prior to operations and maintenance	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Low	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Low	Low	Low	Low
—Availability of Public Safety Services Locally B.C.M.F.	Decrease	Staff turnover because of employment opportunities with Polar Gas or others as a result of Polar Gas operations and maintenance	Cooperative planning with government and communities prior to construction	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Some	Negligible	Intermediate	Early operations and maintenance period	Intermediate	Low to medium	Low	Low	Low
Volunteer Efforts	Decrease	Absence of volunteers from community when employed by Polar Gas or by businesses and government at points outside the community	Cooperative planning with governments and communities prior to construction work with government and communities to develop and implement an approach with governments, communities and businesses to develop and implement the transportation arrangements necessary to maintain	Small	Intermediate	Early operations and maintenance period	Intermediate	Low to medium	Low to medium	Low to medium	Early operations and maintenance period	Intermediate	Low	Low	Low	Low

S E T A B L E 2 C o n t d

V-B-7A TABLE 21
COMPARISON OF SOCIAL EFFECTS DURING EARLY OPERATIONS AND MAINTENANCE COMMON TO COMMUNITIES HAVING RESIDENTS EMPLOYED BY POLAR GAS IN THE TYPE B AND TYPE C MODIFIED COMMUNITY CONTACT SITUATIONS

Aspect of the Future Social Situation without Polar Gas	Name	Sources	How Modified or Added Social Polar Gas Policy or Program	Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs				Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs				Potential For	
				Estimated Magnitude	Level of Confidence	Estimated Duration	Level of Confidence	Estimated Magnitude	Level of Confidence	Estimated Duration	Level of Confidence	Considerable	Considerable
General Social Situation	Not improvement	Changes in the social characteristics and social structure of the community • movement opportunities locally and elsewhere following Polar Gas construction and the side effects of these changes • social mix of Polar Gas personnel • personal interactions between employees from southern Canada and communities	General co-operation planning with government and community to isolate or separate Polar Gas facilities, activities and personnel from events which create or restrict interactions between Polar Gas employees and communities • isolate southern residents only in southern Canada isolate southern employees in and from Dawson headquarters without passing through communities in the Republic territory work with government contractors, contractors and unions to develop a construction management delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas construction while at the same time retaining in place contract or employee hard-earned thereby making the transition to the post-construction phase somewhat less difficult • isolate residents who do not find alternative participation or income work with government contractors, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel • continue training program on a reduced scale during operations and maintenance • hire residents in their home communities where possible work with government and communities to develop a system of government contractors schedule work with government contractors and implement the implementation of the program • the national employment of residents and local businesses to bid on the provision of construction materials, supplies and services, particularly those which are required during operations and maintenance	Medium	Intermediate	Early operations and maintenance period	Intermediate	Medium, possibly small depending on employment opportunities available in Polar Gas	Low to intermediate	Early operations and maintenance period	Intermediate	Considerable	Considerable
Social Characteristics —Ratio of local live-in to live-in elsewhere	Decrease	Location of Polar Gas personnel facilities, activities and personnel interactions between employees from southern Canada and communities • isolate southern residents only in southern Canada isolate southern employees in and from Dawson headquarters without passing through communities in the Republic territory work with government contractors, contractors and unions to develop a construction management delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas construction while at the same time retaining in place contract or employee hard-earned thereby making the transition to the post-construction phase somewhat less difficult • isolate residents who do not find alternative participation or income work with government contractors, contractors and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel • continue training program on a reduced scale during operations and maintenance • hire residents in their home communities where possible work with government and communities to develop a system of government contractors schedule work with government contractors and implement the implementation of the program • the national employment of residents and local businesses to bid on the provision of construction materials, supplies and services, particularly those which are required during operations and maintenance	Small	Intermediate	Early operations and maintenance period and beyond	Intermediate	Little to some Little	Medium	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Little to some Little	Little

A-B-36 TABLE 27 (cont.)

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs										Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs					
Aspect of the Effect of Situation without Polar Gas	Name	Effect of Effect	Basic Model of Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	By 1990, For Activity by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Activity by Others	
								Government	Community					Government	Community
Range of possible ways of life available to: - New residents - Old residents	Not decrease	Existence of Polar Gas permanent interactions between employees from southern Canada and communities in resource harvesting form that will be better equipped to handle or operate in such areas in construction employment or during construction work employment, and enhanced because of experience during construction, increased competition for wage employment opportunities and a better understanding of and ability to compete for wage employment because of experience during construction in some cases, and the loss of resource harvesting opportunities because of Polar Gas construction operations and	Isolate or separate Polar Gas facilities, activities and personnel from communities, confined interactions between Polar Gas employees and communities, avoid legal barriers to bid on the provision of construction work to larger than communities, avoid legal barriers to bid on the provision of construction materials, supplies and services, paid - reduce those likely to be required during operations and maintenance work with government, community contractors and others to develop and and apprenticeship programs in a wide range of construction work, to larger than Polar Gas requirements for skilled operations and maintenance personnel contractors and others to develop a construction management delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during same time resulting in involvement in resource harvesting, thereby making the	Small	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some to considerable	Small to medium	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some to considerable
- Older workers	Decrease	Existence of Polar Gas permanent facilities, activities and personnel interactions between employees from southern Canada and communities, decreased in the range of possible ways of life available to husband as noted above, increased competition for wage employment opportunities as noted locally	Isolate or separate Polar Gas facilities, activities and personnel from communities, confined interactions between Polar Gas employees and communities, avoid legal barriers to bid on the provision of construction materials, supplies and services, paid - reduce those likely to be required during operations and maintenance work with government, community contractors and others to develop and and apprenticeship programs in a wide range of construction work, to larger than Polar Gas requirements for skilled operations and maintenance personnel contractors and others to develop a construction management delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during same time resulting in involvement in resource harvesting, thereby making the	Small	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Small to medium	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some

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V-B 7a TABLE 27 Cont'd

Activity	Frequency	Duration	Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs						Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs					
			Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For	
							Government	Continuation					Government	Continuation
1. Arctic gas production	1	1	Small to medium	Ex. immediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
2. Arctic gas exportation	1	1	Small to medium	Ex. immediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
3. Arctic gas processing	1	1	Small to medium	Ex. immediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
4. Arctic gas storage	1	1	Small to medium	Ex. immediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
5. Arctic gas distribution	1	1	Small to medium	Ex. immediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
6. Arctic gas consumption	1	1	Small to medium	Ex. immediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
7. Arctic gas transportation	1	1	Small to medium	Ex. immediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
8. Arctic gas utilization	1	1	Small to medium	Ex. immediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
9. Arctic gas conversion	1	1	Small to medium	Ex. immediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some
10. Arctic gas disposal	1	1	Small to medium	Ex. immediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some

A. B. 1A TABLE 27 (Cont'd)

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Aspect of the Future Social Situation without Polar Gas	Potential Effect		Type B Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Evidence For Actions by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Type C Modified or Additional Polar Gas Policy or Program	Level of Confidence Assigned to Estimate	Evidence For Actions by Others	
	Nature	Source						Government	Community					Government	Community
Multi-aged women	No change to experience	Location of Polar Gas permanent facilities, activities and personnel interactions between employees from within Canada and communities in the Arctic region may not increase in the long term due to the fact that the majority of the workforce is not based in the Arctic region and the majority of the workforce is not based in the Arctic region.	Include or separate Polar Gas facilities, activities and personnel interactions between employees from within Canada and communities in the Arctic region may not increase in the long term due to the fact that the majority of the workforce is not based in the Arctic region and the majority of the workforce is not based in the Arctic region.	Small to medium	Intermediate	1-2 years	Intermediate	Some	Some	Medium to large increase	Intermediate	Include or separate Polar Gas facilities, activities and personnel interactions between employees from within Canada and communities in the Arctic region may not increase in the long term due to the fact that the majority of the workforce is not based in the Arctic region and the majority of the workforce is not based in the Arctic region.	Intermediate	Some	Some
Young men	Not increase	Location of Polar Gas permanent facilities, activities and personnel interactions between employees from within Canada and communities in the Arctic region may not increase in the long term due to the fact that the majority of the workforce is not based in the Arctic region and the majority of the workforce is not based in the Arctic region.	Include or separate Polar Gas facilities, activities and personnel interactions between employees from within Canada and communities in the Arctic region may not increase in the long term due to the fact that the majority of the workforce is not based in the Arctic region and the majority of the workforce is not based in the Arctic region.	Medium to large	Intermediate	1-2 years	Intermediate	Some	Some	Medium to large increase	Intermediate	Include or separate Polar Gas facilities, activities and personnel interactions between employees from within Canada and communities in the Arctic region may not increase in the long term due to the fact that the majority of the workforce is not based in the Arctic region and the majority of the workforce is not based in the Arctic region.	Intermediate	Some	Some

A-B-7 • TABLE 23 Cont'd

Type of Action		Anticipated Effect on the Type B Modified Community Center Situation as a Result of Police Gas Policies and Programs				Potential For Actions by Others		Anticipated Effect on the Type C Modified Community Center Situation as a Result of Police Gas Policies and Programs						Potential For Actions by Others	
		Estimated Magnitude	Level of Confidence	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Community	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Community	Government	Community
Type A	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
Type B	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
Type C	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		
	Police Gas Policies and Programs	Small	High	Entire operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some		

A B.7.6 TABLE 27 (Cont'd)

TABLE 2^a Cont. 4

An anticipated effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policers and Programs

V-B-7a TABLE 27 Cont'd

Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs										Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs					
Aspect of the Future Social Situation as Result of Polar Gas	Nature		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Action by Others		
	Source	Source					Government	Construction					Government	Construction	
Who	Director	Location of Polar Gas permanent facilities, activities and personnel interactions between employees from within Canada and communities increased ability to participate in resource harvesting because of equipment purchased by its coming from construction operations and maintenance employment with Polar Gas by others increased number of wage employment opportunities available increased ability of some family members to obtain employment as a result of experience and/or training obtained during Polar Gas construction while communities lack ability of resource harvesting opportunities less because of Polar Gas construction operations and maintenance	Isolate or separate Polar Gas facilities, activities and personnel from communities control on interactions between Polar Gas employees and communities based on the provision of and services, particularly those likely to be required during operations and maintenance work to develop and implement construction period training and apprenticeship programs for local operations and maintenance training program as a reduced main resource work with government and communities to develop an appropriate seasonal employment schedule work with government, construction and businesses to develop and implement the transportation strategies to facilitate the seasonal employment of residents have residents in their home community provide services and facilities delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas construction while at the same time releasing an individual as resource harvesting thereby making the transition to the post construction employment situation somewhat less difficult for those residents who do not find seasonal or part time or full time work environmental measures presented in V-A-6 work with government, construction to develop and implement appropriate types and methods of mitigation prior to construction, reviewing and modifying them where necessary prior to operations and maintenance	Medium	Intermediate	Ensure operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Ensure operations and maintenance period	Intermediate	Some	Some
Where	Director	Location of Polar Gas permanent facilities, activities and personnel interactions between employees from within Canada and communities increased ability to participate in resource harvesting because of equipment purchased by its coming from construction operations and maintenance employment with Polar Gas by others increased number of wage employment opportunities available increased ability of some family members to obtain employment as a result of experience and/or training obtained during Polar Gas construction while communities lack ability of resource harvesting opportunities less because of Polar Gas construction operations and maintenance	Isolate or separate Polar Gas facilities, activities and personnel from communities control on interactions between Polar Gas employees and communities based on the provision of and services, particularly those likely to be required during operations and maintenance work to develop and implement construction period training and apprenticeship programs for local operations and maintenance training program as a reduced main resource work with government and communities to develop an appropriate seasonal employment schedule work with government, construction and businesses to develop and implement the transportation strategies to facilitate the seasonal employment of residents have residents in their home community provide services and facilities delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas construction while at the same time releasing an individual as resource harvesting thereby making the transition to the post construction employment situation somewhat less difficult for those residents who do not find seasonal or part time or full time work environmental measures presented in V-A-6 work with government, construction to develop and implement appropriate types and methods of mitigation prior to construction, reviewing and modifying them where necessary prior to operations and maintenance	Small	Intermediate	Ensure operations and maintenance period	Intermediate	Some	Some	Medium	Intermediate	Ensure operations and maintenance period	Intermediate	Some	Some

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TABLE 37

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Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs

A B 76 TABLE 25C cont.

V-B-7a TABLE 27 (Cont'd)

An Imputed Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs

Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others	
				Positive or Negative	Positive or Negative

Small Intermediate Early operations and maintenance period and beyond Intermediate Some Little to some

An Imputed Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs

Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others	
				Positive or Negative	Positive or Negative

Small to medium Intermediate Early operations and maintenance period and beyond Intermediate Some Little to some

Basis: Modified or Additional Polar Gas Policy or Program

Interacts with separate Polar Gas facilities within and generated from common or several interests in between Polar Gas employees and Communities, here to be modified or by

employees to and from through head quarters or through passing through a migration or the Resettlement or assistance. Business to be in the provision of construction materials supplies and services, particularly those likely to be required during operations and maintenance

Builds or separate Polar Gas facilities, activities and personnel from common or several interests in between Polar Gas employees and

in western Canada, outside northern

communities on the Resettlement and assist local businesses to be in

Small to medium Intermediate Early operations and maintenance period and beyond Intermediate Some Some

Medium Intermediate Early operations and maintenance period and beyond Intermediate Some Some

V-B-76 TABLE 27 (cont'd)

Aspects of the Future Social Situation		Anticipated Effect in the Type B Modified Community Contact Situation as a Result of Polar Gas Policies and Programs		Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Programs	
		External Effect	Potential For Action by Others	External Effect	Potential For Action by Others
White	Decrease	Location of Polar Gas personnel facilities and personnel interactions between employees from southern Canada and communities; increased competition for employment opportunities; changes in the overall social structure of the community	Interactions between Polar Gas employees and communities; increased local initiative work with communities; construction apprenticeship programs on a scale appropriate to the community; arrangements necessary to facilitate development of a construction manpower delivery system with particular emphasis being placed on training	Interactions between Polar Gas employees and communities; increased local initiative work with communities; construction apprenticeship programs on a scale appropriate to the community; arrangements necessary to facilitate development of a construction manpower delivery system with particular emphasis being placed on training	Interactions between Polar Gas employees and communities; increased local initiative work with communities; construction apprenticeship programs on a scale appropriate to the community; arrangements necessary to facilitate development of a construction manpower delivery system with particular emphasis being placed on training
		Location of Polar Gas personnel facilities and personnel interactions between employees from southern Canada and communities; effects of Polar Gas construction, operations and maintenance on the ability of a significant number of individuals and families to maintain an earning way of life and their ability to obtain employment, singly or with Polar Gas as noted above	Activities and personnel from communities involved in reactions between Polar Gas employees and communities; local-level businesses to bid on the provision of community materials, supplies and services; particularly those likely to be required during operations and maintenance work as in government, contractors and others who to develop and implement construction period	Activities and personnel from communities involved in reactions between Polar Gas employees and communities; local-level businesses to bid on the provision of community materials, supplies and services; particularly those likely to be required during operations and maintenance work as in government, contractors and others who to develop and implement construction period	Activities and personnel from communities involved in reactions between Polar Gas employees and communities; local-level businesses to bid on the provision of community materials, supplies and services; particularly those likely to be required during operations and maintenance work as in government, contractors and others who to develop and implement construction period

A-B-TABLE 27 Cont'd

Age of the Future Beneficiary	Nature	Sources	By: Modified or Additional Policy Goals or Programs	Anticipated Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs						Anticipated Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs					
				Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Percent of Future Activities by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Percent of Future Activities by Others	
								Government	Community					Government	Community
Middle aged men	No change to employment	Reduction, persistence of the effects of increased expenditures on alcohol and illegal drugs as a result of increased disposable cash income, increased understanding of and ability to compete for wage employment because of experience and/or training during construction	Local businesses to bid on the provision of construction materials, supplies and services, particularly those likely to be required during operations and maintenance	Medium net increase	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Medium net increase	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some
Young men	Net increase	Reduction, persistence of the effects of increased expenditures on alcohol and illegal drugs as a result of increased disposable cash income, increased understanding of and ability to compete for wage employment because of experience and/or training during construction	Local businesses to bid on the provision of construction materials, supplies and services, particularly those likely to be required during operations and maintenance	Medium to large	Intermediate	Early operations and maintenance period	Intermediate	Some	Some	Large	Intermediate	Early operations and maintenance period	Intermediate	Some	Some

Anticipated Effect in the Type C Modified Community Contact Situation as a Result of Polar Gas Policies and Program

• D7a TABLE 2nd Cont'd

• Type B Modelled Community Context Situation as a Result of Polar Gas Policies and Programs

• An anticipated effect in the Type C Modelled Community Context as a Result of Polar Gas Policies and Programs

Agent of the Future Social Transition w/ respect Polar Gas	Potential Effect		Basic Modelled or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Potential for Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Anticipated Effect	Level of Confidence Assigned to Estimate	Governments	Communities	
	Source	Source					Governments	Communities							
			work with government, communities and businesses to develop and implement the transportation arrangements necessary to facilitate the rational employment of residents. Here non-residents (such as southern Canada) using southern employees and from the same headquarters without passing through intermediate or the Red Sea terms of work with government communities in coastal shelter and shelter drops at Polar Gas facilities, as well as local businesses to facilitate the provision of transportation materials, supplies and services, particularly those likely to be required during operations and maintenance.												
White residents															
• Men	No change	Increased ability to compete for wage employment because of experience in using during construction	There are demands in their communities where it is possible to work with government communities to develop an appropriate seasonal employment schedule. Work with government, communities and businesses to develop and implement the transportation arrangements necessary to facilitate the rational employment for residents. Assist local businesses to build on the provision of construction materials, supplies and services particularly those likely to be required during operations and maintenance.	Small increase	High	Early operations and maintenance period	Intermediate	Some	Little to some	Small increase	High	Early operations and maintenance period	Intermediate	Some	Little to some
• Women	No change	Increased ability to compete for wage employment because of experience in using during construction	There are demands in their communities where it is possible to work with government communities to develop an appropriate seasonal employment schedule. Work with government, communities and businesses to develop and implement the transportation arrangements necessary to facilitate the rational employment for residents. Assist local businesses to build on the provision of construction materials, supplies and services particularly those likely to be required during operations and maintenance.	Average	High	Early operations and maintenance period	Intermediate	Little	Little	Negligible	High	Early operations and maintenance period	Intermediate	Little	Little
• Men	No change	Increased ability to compete for wage employment because of experience in using during construction	There are demands in their communities where it is possible to work with government communities to develop an appropriate seasonal employment schedule. Work with government, communities and businesses to develop and implement the transportation arrangements necessary to facilitate the rational employment for residents. Assist local businesses to build on the provision of construction materials, supplies and services particularly those likely to be required during operations and maintenance.	Small	Intermediate to high	Early operations and maintenance period and beyond	Intermediate	Some	Some	Small to medium	Intermediate to high	Early operations and maintenance period and beyond	Intermediate	Some	Some
• Women	No change	Increased ability to compete for wage employment because of experience in using during construction	There are demands in their communities where it is possible to work with government communities to develop an appropriate seasonal employment schedule. Work with government, communities and businesses to develop and implement the transportation arrangements necessary to facilitate the rational employment for residents. Assist local businesses to build on the provision of construction materials, supplies and services particularly those likely to be required during operations and maintenance.	Medium	High	Early operations and maintenance period	Intermediate	Some to intermediate	Some	Medium to large	High	Early operations and maintenance period	Intermediate	Some	Some

Y-8-78 Table 3

V-B-6 TABLE 27 Cont'd

		Anticipated Effect in the Type-B Model Community Contact as a Result of Police Gas Policies and Programs					Anticipated Effect in the Type-C Model Community Contact as a Result of Police Gas Policies and Programs				
Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Actions by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Actions by Others	
				Some	None					Some	None
Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some to intermediate	Some	Medium to large	High	Entire operations and maintenance period	Intermediate	Some	Some

B-6 TABLE 23 Cont'd

Appendix A SmartStart without Polar Gas = Fair Use	Nature	Sources	Associated Effect in the Type B Modified Community Context Scenario as a Result of Polar Gas Policies and Programs						Associated Effect in the Type C Modified Community Context Scenario as a Result of Polar Gas Policies and Programs						
			Basic Model or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Actions by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Actions by Others	
								Government	Communities					Government	Communities
Appendix A SmartStart without Polar Gas = Fair Use	Basic Model	Appendix A SmartStart without Polar Gas = Fair Use	Isolate or separate Polar Gas facilities, activities and personnel from communities; avoid or restrict interactions between Polar Gas employees and communities; hire non-residents only in southern Canada; locate southern employees in and from Division Headquarters without passing through communities or the Resolute town site; work with government, communities, contractors and unions to develop a construction manpower delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in construction employment while continuing to engage in resource harvesting activities; work with government, contractors, communities and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with, or larger than Polar Gas requirements for skilled operations and maintenance personnel; continuing training program on a reduced scale during operations and maintenance; hire residents in their home community wherever possible; work with government and communities to develop an appropriate seasonal employment schedule; work with gas customers, communities and businesses to develop and implement the employment strategy; encourage and facilitate the seasonal employment of residents; work with government to coordinate employment opportunities; Polar Gas facilities, activities, personnel to bid on the provision of construction materials, supplies and services; work with government, contractors, communities and unions to develop a construction manpower delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in construction employment while continuing to engage in resource harvesting activities; work with government, contractors, communities and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with, or larger than Polar Gas requirements for skilled operations and maintenance personnel; continuing training program on a reduced scale during operations and maintenance; hire residents in their home	Small to medium	High	Intermediate to long-term	Intermediate	Some to intermediate	Some	Small to medium	High	Intermediate to long-term	Intermediate	Little to some	Little to some
Appendix A SmartStart without Polar Gas = Fair Use	Basic Model	Appendix A SmartStart without Polar Gas = Fair Use	Isolate or separate Polar Gas facilities, activities and personnel from communities; avoid or restrict interactions between Polar Gas employees and communities; hire non-residents only in southern Canada; locate southern employees in and from Division Headquarters without passing through communities or the Resolute town site; work with government, communities, contractors and unions to develop a construction manpower delivery system with particular emphasis being placed on the development of labour pools to enable the majority of interested residents to participate in construction employment while continuing to engage in resource harvesting activities; work with government, contractors, communities and unions to develop and implement construction period training and apprenticeship programs on a scale commensurate with, or larger than Polar Gas requirements for skilled operations and maintenance personnel; continuing training program on a reduced scale during operations and maintenance; hire residents in their home	Small to medium	High	Intermediate to long-term	Intermediate	Some to intermediate	Some	Small to medium	High	Intermediate to long-term	Intermediate	Little to some	Little to some

V-B-76 TABLE 37 (Cont'd)

Action	Estimated Magnitude of Antismuggling Effects	Level of Confidence Assessment and Estimate	Estimated Duration of Antismuggling Effects	Level of Confidence Assessment and Estimate	Percent of Bar Actions by O.Den	Antismuggling Effects in the Type C Modified Community Contact Situation as a Result of Police GSA Policies and Programs						Percent of Bar Actions by Others	
						Estimated Magnitude of Antismuggling Effects	Level of Confidence Assessment and Estimate	Estimated Duration of Antismuggling Effects	Level of Confidence Assessment and Estimate	Percent of Bar Actions by O.Den	Percent of Bar Actions by Others	Estimated Magnitude of Antismuggling Effects	Level of Confidence Assessment and Estimate
1. The Type C Modified Community Contact Situation as a Result of Police GSA Policies and Programs	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some	Medium to large	Intermediate	Entire operations and maintenance period	Intermediate	Some	Some	Some

V-B-76 TABLE 21 Cont'd

Aspect of the Future Social Situation without Polar Gas		Anticipated Effect on the Type B Modified Community Concept Situations as a Result of Polar Gas Policies and Programs								Anticipated Effect on the Type C Modified Community Concept Situations as a Result of Polar Gas Policies and Programs					
		Nature	Basic Method or Assumption	Estimated Magnitude	Level of Confidence	Estimated Duration	Level of Confidence	Potential For Action by Others		Estimated Magnitude	Level of Confidence	Estimated Duration	Level of Confidence	Potential For Action by Others	
Community Social Structure and Local Decisions making	Ability to maintain the existing class structure among														
	Isolated residents	Decrease	Loss of resource harvesting opportunities during construction and operations and maintenance; location of Polar Gas permanent facilities; activities and personnel; interactions between employees from southern Canada and communities; effects on class structure associated with continuing employment opportunities with Polar Gas and others; in or from other Isolated to work for, or near, work with Polar Gas or others	Medium	Low to intermediate	Entire operations and maintenance period	Intermediate	Little	Little	Medium to large	Low to intermediate	Entire operations and maintenance period	Intermediate	Little	Little
—White residents		No change to decrease	Location of Polar Gas permanent facilities; migration of other workers to work for or near work with Polar Gas	Small to medium decrease	Low to intermediate	Entire operations and maintenance period	Intermediate	Little	Little	Medium decrease	Low to intermediate	Entire operations and maintenance period	Intermediate	Little	Little
Entire community		Decrease	Changes in the class structure of the population particularly the Isolated population both internally and with respect to the role of the white population	Medium	Low to intermediate	Entire operations and maintenance period	Intermediate	Little	Little	Medium to large	Low to intermediate	Entire operations and maintenance period	Intermediate	Little	Little

TABLE 29 (Cont.)

Aspect of the Future Social Situation without Polar Gas	Nature of the Change	Potential for Change	Anticipated Effect in the Type B Modified Community Context Scenario as a Result of Polar Gas Policies and Programs				Potential for Change		Anticipated Effect in the Type C Modified Community Context Scenario as a Result of Polar Gas Policies and Programs				Potential for Change	
			Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities
Ability to maintain the existing decision-making and political power linkages among residents	Increase	Location of Polar Gas permanent facilities, activities and personnel; interactions between employees from southern Canada and communities; increased commuting opportunities; training and local business opportunities with Polar Gas; reintegration of other staff to work for Polar Gas or in the area.	Medium	Low to intermediate	Entire operations and maintenance period	Intermediate	Little	Little	Medium	Low to intermediate	Entire operations and maintenance period	Intermediate	Little	Little
	Decrease	Location of Polar Gas permanent facilities, activities and personnel; interactions between employees from southern Canada and communities; increased commuting opportunities; training and local business opportunities with Polar Gas; reintegration of other staff to work for Polar Gas or in the area.	Medium	Low to intermediate	Entire operations and maintenance period	Intermediate	Little	Little	Medium	Low to intermediate	Entire operations and maintenance period	Intermediate	Little	Little
White residents	No change to decrease	Location of Polar Gas permanent facilities, activities and personnel; interactions between employees from southern Canada and communities.	Medium/Decrease	Intermediate to high	Entire operations and maintenance period	Intermediate	Little	Little	Medium to large decrease	Intermediate to high	Entire operations and maintenance period	Intermediate	Little	Little
Native community	Decrease	Location of Polar Gas permanent facilities, activities and personnel; interactions between employees from southern Canada and communities; increased commuting opportunities; training and local business opportunities with Polar Gas; reintegration of other staff to work for Polar Gas or in the area.	Medium	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little	Medium to large	Intermediate	Entire operations and maintenance period	Intermediate	Little	Little

V-B-76 TABLE 37 Cont'd

Aspects of the Future Social Situation without Polar Gas	Nature	Description	Basic Model for A-8 Social Policy or Program	Anticipated Effect in the Type B Modified Community Context Situation as a Result of Polar Gas Policies and Programs						Anticipated Effect in the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs					
				Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential For Action by Others	
								Government	Communities					Government	Communities
Ability to collectively react to problems or opportunities	Increase	and for local participation in planning for the post-construction period and in activities during operation and maintenance	Co-operative planning with communities	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Considerable	Some	Medium	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Considerable	Some
Workload of local residents and other key institutions	Increase	Social side effects of activity by individuals, families, etc., in a new way of life involving construction to maintain an oil-based life	Co-operative planning with communities and governments, before or separate Polar Gas facilities, activities and personnel from communities, control structures by with Polar Gas employees and communities, here non residents only in southern Canada, inside southern employees to and from Devonian headquarters with no passing through communities or the Resolute structure, here residents in their home community whenever possible	Large	Intermediate to high	Early operations and maintenance period and beyond	Intermediate	Considerable	Some	Large	Intermediate to high	Early operations and maintenance period and beyond	Intermediate	Considerable	Considerable
Participation of key individuals	No change or decrease	Workload and inherent heavy responsibilities may discourage some from participation in community activities or decision making bodies, timing, location and duration of employment with Polar Gas, or others may make it difficult for key individuals to prepare for participation, or implement the demands of planning and decision making bodies	Here residents in their home community, where possible, work with government and communities to develop an appropriate personal employment schedule, work with government, communities and businesses to develop and implement the transportation arrangements necessary to facilitate the rotational employment of residents	Small decrease	Low to intermediate	Early operations and maintenance period and beyond	Intermediate to high	Some	Some	Small to medium decrease	Low to intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some
Side Effects of the Changing Social Characteristics, Community Social Structure and Local Decision-making Capabilities, Particularly as a Result of Attempts by Individuals or Families to Maintain an Existing Way of Life or to Participate in and Adapt to a New Way of Life															
Indicators of the health and behaviour of individuals	Increase	Loss of resource having opportunities as a result of Polar Gas construction, operations and maintenance of easy patterns in alcohol or crime during the construction period, as a result of increased disposable cash incomes, timing and duration of employment with others as a result of timing experience during Polar Gas operations and maintenance, construction, etc., disposable cash income is spent	Environmental measures presented in V-A-8 work with government commitment to develop and implement appropriate methods of regulation prior to re-occupying and modifying them where necessary prior to operations and maintenance, here residents in their home community, where possible, work with government and communities to develop an appropriate personal employment schedule, work with government, communities and businesses to develop and implement the transportation arrangements necessary to facilitate the rotational employment of residents	Medium	Intermediate	Early operations and maintenance period	Intermediate	Little	Some	Medium to large	Intermediate	Early operations and maintenance period	Intermediate	Little	Some

V. 9.7.6 TABLE 22 (Cont'd)

V-B-76 TABLE 27 Cont'd

Impact of the Future Social Situation without Polar Gas	Potential Effect		Anticipated Effect in the Type B Most-likely Community Context Situation as a Result of Polar Gas Policies and Programs								Anticipated Effect on the Type C Modified Community Context Situation as a Result of Polar Gas Policies and Programs					
	Nature	Sources	Benefit, Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration	Level of Confidence Assigned to Estimate	Potential Future Actions by Others		
								Government	Communities					Government	Communities	
			resulting in involvement in resource harvesting, thereby making the transition to the post-construction employment situation somewhat less difficult for those residents who do not find a local or near-term or full-time work-based local businesses to bid on the provision of construction materials, supplies and services, particularly those likely to be required during													
—Use of legal drugs	Increase	Location of Polar Gas permanent facilities, activities and personnel increased exposure to drugs at Polar Gas facilities during construction, operations and maintenance, various of adapting to transitional employment, possibly increased income disparities	Initiate or upgrade Polar Gas facilities, activities and personnel from community-based contractors between Polar Gas employees and communities, but residents only as well as being Canada, locate southern employees to and from District headquarters without passing through construction on the Polar Gas outside work with government communities to develop the best means of controlling drugs at Polar Gas facilities work with government, contractors, contractors and unions develop and implement community period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel, continuing program on a reduced scale during operations and maintenance work with government communities, contractors and unions to develop a construction management system with particular emphasis being placed on development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas construction while in the same time retaining involvement in resource harvesting, thereby making the transition to the post-construction employment situation somewhat less difficult for those residents who do not find alternative part-time or full-time work here non-residents in northern Canada	Small to medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some		
—Inadequacy of post-construction for post-construction legal drugs	Increase	Location of Polar Gas permanent facilities, activities and personnel increased exposure to drugs at Polar Gas facilities during construction, operations and maintenance, various of adapting to transitional employment, possibly increased income disparities	Work with government, communities to develop the best means of controlling drugs at Polar Gas permanent facilities, work with government, contractors, contractors and unions to develop and implement community period training and apprenticeship programs on a scale commensurate with or larger than Polar Gas requirements for skilled operations and maintenance personnel, continuing program on a reduced scale during operations and maintenance work with government, contractors and unions to develop a construction management system work with government, contractors and unions to develop labour pools to enable the majority of interested residents to participate in wage	Small to medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Costs desirable	

V-B-76 TABLE 27 (Cont'd)																
Anticipated Effect in the Type B Modified Community Context Situations as a Result of Polar Gas Policies and Programs																
Aspect of the Future Social Situation without Polar Gas	Anticipated Effect in the Type C Modified Community Context Situations as a Result of Polar Gas Policies and Programs										Anticipated Effect in the Type D Modified Community Context Situations as a Result of Polar Gas Policies and Programs					
	Nature	Sources	Basic Modified or Additional Polar Gas Policy in Program	Type and Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Government	Communities	
-Indication of the behaviour of individual households and villages	Isolation	Effects of increased exposure to alcohol, illegal drugs at Polar Gas facilities during construction, operations and maintenance: effects of increased expenditures on and use of alcohol and illegal drugs as a result of the increased disposable cash income during operations and maintenance years of adjusting to husband's seasonal employment	Isolate or separate Polar Gas facilities, activities and personnel from communities: control interactions between Polar Gas employees and communities: work with government, communities to control alcohol and illegal drugs at Polar Gas facilities	Small to medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	
-Freedom of reported child neglect	Isolation	Effects of increased exposure to alcohol, illegal drugs at Polar Gas facilities during construction, operations and maintenance: effects of increased expenditures on and use of alcohol and illegal drugs as a result of the increased disposable cash income during operations and maintenance years of adjusting to husband's seasonal employment	Isolate or separate Polar Gas facilities, activities and personnel from communities: control interactions between Polar Gas employees and communities: work with government, communities to control alcohol and illegal drugs at Polar Gas facilities	Small to medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	
-Freedom of attempted rape or rape	Isolation	Effects of increased exposure to alcohol, illegal drugs at Polar Gas facilities during construction, operations and maintenance: effects of increased expenditures on and use of alcohol and illegal drugs as a result of the increased disposable cash income during operations and maintenance years of adjusting to husband's seasonal employment	Isolate or separate Polar Gas facilities, activities and personnel from communities: control interactions between Polar Gas employees and communities: work with government, communities to control alcohol and illegal drugs at Polar Gas facilities	Small to medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	
-Freedom of court convictions for weapons involving potential or actual bodily harm	Isolation	Effects of increased exposure to alcohol, illegal drugs at Polar Gas facilities during construction, operations and maintenance: effects of increased expenditures on and use of alcohol and illegal drugs as a result of the increased disposable cash income: possibly increased income disparities	Isolate or separate Polar Gas facilities, activities and personnel from communities: control interactions between Polar Gas employees and communities: work with government, communities to control alcohol and illegal drugs at Polar Gas facilities	Small to medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	
-Freedom of court convictions for breaking the law (e.g. theft)	Increase	Effects of increased exposure to alcohol, illegal drugs at Polar Gas facilities during construction, operations and maintenance: effects of increased expenditures on and use of alcohol and illegal drugs as a result of the increased disposable cash income: possibly increased income disparities	Work with government: community outreach and unions to develop and apprenticeship programs on a wide community scale, in larger than Polar Gas requirements for skilled operations and maintenance personnel: continuing training program on a regional scale during operations and maintenance, work with government, communities, contractors and unions to develop a construction manpower development workshop/maintenance training program on the development of labour pools to enable the majority of interested residents to participate in wage employment during Polar Gas construction and maintenance at the same time retaining as an alternative to income loss during directly making the transition to the post-construction employment situation somewhat less difficult for those residents who do not find alternative part-time or full-time work, work with government, communities to control alcohol and illegal drugs at Polar Gas facilities, annual fund-raising to bid on the provision of construction materials: support and services to maintain these activities to be required during operations and maintenance	Small to medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	Medium	Intermediate	Early operations and maintenance period and beyond	Intermediate	Some	Some	

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COMPARISON OF CULTURAL EFFECTS COMMON TO COMMUNITIES HAVING RESIDENTS EMPLOYED IN POLAR GAS OPERATIONS AND MAINTENANCE IN THE TYPE B AND C MODIFIED COMMUNITY CONTACT SITUATIONS

Aspect of the Future Cultural Situation without Polar Gas	Polar Gas		Anticipated Effect In the Type B Modified Community Contact Situation As a Result of Polar Gas Policies and Programs						Anticipated Effect In the Type C Modified Community Contact Situation As a Result of Polar Gas Policies and Programs						
	Effect		Base Modified or Additional Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Action by Others		Estimated Magnitude of Anticipated Effect	Level of Confidence Assigned to Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assigned to Estimate	Potential for Action by Others	
	Nature	Sources						Government	Communities					Government	Communities
General ability of host to significantly influence the characteristics and evolution of their culture	Decrease	Location of Polar Gas facilities, activities and personnel relative to communities	Cooperative planning with government and communities prior to operations and maintenance, isolation and separation of Division headquarters facilities from communities	Medium increase	Low to intermediate	Operations and maintenance period	Intermediate	Considerable	Considerable	Medium to large	Low to intermediate	Operations and maintenance period	Intermediate	Considerable	Considerable
		Polar Gas effects on resource harvesting opportunities	Environmental measures presented in V.A.s, work with government communities to develop appropriate types and methods of mitigation prior to construction, reviewing and modifying them, where necessary prior to operations and maintenance							Low availability and instability of employment within community					
		Employment opportunities with Polar Gas	Construction period training and apprenticeship arrangements to qualify interested residents for employment with Polar Gas or others during operations and maintenance work with government, communities to develop and implement arrangements for the air transportation of South Region residents employed by Polar Gas to and from Polar Gas Division headquarters facilities and their home communities												
		Employment with others as a result of experience with local facilities gained during Polar Gas construction	Cooperative planning with government, communities prior to operations and maintenance												
Areas of traditional importance to community of Polar Gas facilities	Residential personnel	Social and economic effects associated with host community and maintenance	Cooperative planning with government, communities prior to operations and maintenance												
		Social and economic effects associated with the community in construction to operations and maintenance	Cooperative planning with government, communities prior to operations and maintenance												
		Location of Polar Gas	Environmental measures presented in V.A.s, work with government communities to develop appropriate types and methods of mitigation prior to construction, reviewing and modifying them, where necessary prior to operations and maintenance	Negligible to small depending on location of	Intermediate	Operations and maintenance period	Intermediate	Some	Some	Negligible to small depending on location of community	Intermediate	Operations and maintenance period	Intermediate	Some	Some

Table 2.1.2 (Cont.)

		Anticipated Effect in the Type B Modest Community		Estimated Magnitude of Anticipated Effect				Estimated Duration of Anticipated Effect		Level of Confidence Assured in Estimate		Potential For Actions by Others		Estimated Magnitude of Anticipated Effect		Estimated Duration of Anticipated Effect		Level of Confidence Assured in Estimate		Potential For Actions by Others	
		Below Modest and Add Small Polar Gas Policy or Program	Estimated Magnitude of Anticipated Effect	Level of Confidence Assured in Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assured in Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assured in Estimate	Estimated Duration of Anticipated Effect	Potential For Actions by Others	Estimated Magnitude of Anticipated Effect	Level of Confidence Assured in Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assured in Estimate	Estimated Duration of Anticipated Effect	Level of Confidence Assured in Estimate	Estimated Duration of Anticipated Effect	Potential For Actions by Others			
Type B Modest Community	1	Some commercial measures presented in V-A-6, were with government financial aid to develop appropriate types and methods of insulation	Small to medium	Low to intermediate	Operations and maintenance period	Intermediate	Some	Some	Some	Some	Medium to large	Low to intermediate	Operations and maintenance period	Low to intermediate	Some	Some	Some	Some			
	2																				
	3																				
	4																				
Type C Modest Community	1		Medium to large	Intermediate	Operations and maintenance period	Low to intermediate	Some	Some	Some	Some	Medium to large	Low to intermediate	Operations and maintenance period	Low to intermediate	Some	Some	Some	Some			
	2																				
	3																				
	4																				
Type D Modest Community	1																				
	2																				
	3																				
	4																				
Type E Modest Community	1																				
	2																				
	3																				
	4																				

V-B-7.6 TABLE 29

COMPARISON OF ESTIMATED REVENUES ACCRUING TO THE GOVERNMENT OF THE
NORTHWEST TERRITORIES FROM POLAR GAS OPERATIONS AND MAINTENANCE,
EXPANSION OF THE LOCAL BUSINESS SECTOR, AND THE INCREASED ABILITY
OF SOME RESIDENTS TO COMPETE FOR OTHER POST-CONSTRUCTION
EMPLOYMENT OPPORTUNITIES IN THE TYPES B AND C MODIFIED
COMMUNITY CONTACT SITUATIONS

Revenues From Polar Gas Operations and Maintenance in Both the Types B and C Modified Community Contact Situations

Operations and Maintenance Year	Income Tax Payments ¹⁾	Other Tax Payments ²⁾	Total Tax Situation	Percentage Increase Over Total Tax Payments In The Basic Community Contact Situation ⁴⁾	Workmen's Compensation Premiums ³⁾	Total Revenues	Percent Increase In Total Revenues Over The Basic Community Contact Situation ³⁾	Revenues From An Expanded Local Business Sector ⁴⁾	Revenues From Residents Who Utilize The Experience, Training, Qualifications, They Obtained During Polar Gas' Construction To Get Longer Periods of Wage Employment or Wage Employment With Others Yielding a Higher Level of Remuneration During Operations and Maintenance Than They Would Have Obtained With Polar Gas	Total Revenues From Sources Identified Here
1 ¹⁾	271	6 791	7 062	2%	1 507	8 569	2%	See Note A	See Note A	See Note A
6	338	5 462	5 800	5%	435	6 235	5%	See Note A	See Note A	See Note A

Notes: ¹⁾ Operations and Maintenance Year 1 is also Construction Year 6

²⁾ Based on employment estimates presented in V-B-7.6 TABLE 25

³⁾ These payments are identical to those that would be made in the basic community contact situation; see V-B-7.4 TABLE 25

⁴⁾ See V-B-7.4 TABLE 25 for comparison

⁵⁾ See V-B-7.4 TABLE 25

⁶⁾ Increase corporate and personal income taxes as well as increased workmen's compensation premium flows, would result from an expanded local business. This expansion could result from the consumption and substitution effect associated with increased per capita cash incomes for wage employment and the provision of materials, supplies and services to Polar Gas

A n/e, most likely higher in the type C modified community contact situation than in the type B modified community contact situation

n/e = not estimated

